

Ile Lys Leu
115

583

<210> 1636

<211> 115

<212> PRT

<213> Homo sapiens

<400> 1636

Met	Arg	Ser	Arg	Lys	Ile	Pro	Gln	Gln	Ser	Arg	Phe	Phe	Thr	Pro	Leu
1					5				10				15		

Phe	Phe	Leu	Asn	Leu	Pro	Ile	Leu	Val	Val	Pro	Leu	Pro	Ser	Thr	Asp
						20		25				30			

Thr	Ser	Cys	Ser	Asp	Phe	Gln	Tyr	Gln	Val	Phe	Lys	Thr	Ser	Tyr	Pro
						35		40			45				

Pro	Ser	Ser	Val	Pro	Pro	Ser	Leu	Gln	Ser	His	Lys	His	Trp	Cys	Ser
						50		55		60					

Gln	Ile	Lys	Ile	Ser	Pro	Lys	Gln	Cys	Gln	Arg	Asp	Pro	Leu	Ser	Ser
65						70			75			80			

Phe	Gln	Ala	Arg	Asp	Met	Phe	Ser	Phe	Gln	Val	Leu	Glu	Lys	Thr	Gly
					85				90			95			

Ser	Met	Phe	Thr	Trp	Asn	Phe	Ser	Arg	Gly	Gly	Ala	Ile	Ser	Phe	Cys
					100			105			110				

Ile Lys Leu
115

<210> 1637

<211> 80

<212> PRT

<213> Homo sapiens

<400> 1637

Met	Ala	Leu	Gly	Ser	Met	Tyr	Leu	Val	Leu	Thr	Leu	Ile	Val	Ala	Lys
1					5				10			15			

Val	Leu	Arg	Gly	Ala	Glu	Pro	Cys	Cys	Gly	Pro	Leu	Lys	Asn	Arg	Val
					20			25			30				

Leu	Arg	Pro	Cys	Pro	Leu	Pro	Val	His	Cys	Pro	Leu	Pro	Ile	Pro	Ser
					35			40			45				

Pro	Ala	Glu	Gly	Ile	Pro	Trp	Val	Ala	Tyr	Leu	Pro	Ile	Arg	Trp	Phe
					50			55			60				

Ile	Ser	Cys	Cys	Pro	Gly	His	Cys	Ile	Gln	Ile	Pro	Met	Cys	Thr	Ser
					65			70		75		80			

<210> 1638

<211> 80

<212> PRT

<213> Homo sapiens

<400> 1638

Met	Ala	Leu	Gly	Ser	Met	Tyr	Leu	Val	Leu	Thr	Leu	Ile	Val	Ala	Lys
1					5				10					15	

Val	Leu	Arg	Gly	Ala	Glu	Pro	Cys	Cys	Gly	Pro	Leu	Lys	Asn	Arg	Val
		20					25					30			

Leu	Arg	Pro	Cys	Pro	Leu	Pro	Val	His	Cys	Pro	Leu	Pro	Ile	Pro	Ser
		35				40						45			

Pro	Ala	Glu	Gly	Ile	Pro	Trp	Val	Ala	Tyr	Leu	Pro	Ile	Arg	Trp	Phe
	50				55				60						

Ile	Ser	Cys	Cys	Pro	Gly	His	Cys	Ile	Gln	Ile	Pro	Met	Cys	Thr	Ser
	65				70				75			80			

<210> 1639

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1639

Met	Arg	Thr	Asn	Gln	Ser	Leu	Cys	Ser	Phe	Leu	Leu	Trp	Ser	Val	Pro
1					5				10			15			

Ph	e	His	Gln	Ala	Ala	Cys	Pro	Gln	Ala	Lys	Asp	His	Pro	Leu	Glu	Pro
			20				25				30					

Ser	Met	His	Pro	Glu	Gly	Thr	Gln	Leu	Gln	Ser	Cys	Ser	Thr	Met	Leu
		35				40				45					

Gly	Pro	Arg	Gln	Leu	Ser	Ser	Glu	Lys	Gln	Pro	Leu	Leu	Pro	Pro	Arg
	50				55				60						

Ser	His	Leu	Lys	Ser	Ser	Pro	Met	Leu	Arg	Ala	Cys	Lys	Gly	Leu	Thr
65					70				75			80			

Ser

<210> 1640

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1640

Met	Arg	Thr	Asn	Gln	Ser	Leu	Cys	Ser	Phe	Leu	Leu	Trp	Ser	Val	Pro
1															15.
5															

Phe	His	Gln	Ala	Ala	Cys	Pro	Gln	Ala	Lys	Asp	His	Pro	Leu	Glu	Pro
															30
20 25															

Ser	Met	His	Pro	Glu	Gly	Thr	Gln	Leu	Gln	Ser	Cys	Ser	Thr	Met	Leu
															45
35 40															

Gly	Pro	Arg	Gln	Leu	Ser	Ser	Glu	Lys	Gln	Pro	Leu	Leu	Pro	Pro	Arg
															60
50 55															

Ser	His	Leu	Lys	Ser	Ser	Pro	Met	Leu	Arg	Ala	Cys	Lys	Gly	Leu	Thr
															80
65 70 75															

Ser

<210> 1641

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1641

Met	Val	Phe	Leu	Ser	His	Leu	Phe	Gly	Thr	Lys	Arg	Leu	Phe	Leu	Leu
1															15
5															

Leu	Ala	Leu	Ile	Trp	Ala	Ser	Trp	His	Phe	Ser	Tyr	Met	Pro	Ala	Asp
															30
20 25															

Ala	Trp	Val	Asp	Pro	Gly	Ile	Pro	Asp	Arg	Tyr	Leu	Gln	Ala	Tyr	Leu
															45
35 40															

Ser Ile Val Xaa Pro

50

<210> 1642

<211> 61

<212> PRT

<213> Homo sapiens

<400> 1642

Met	His	Val	Val	His	Trp	Ser	Arg	Leu	Phe	Leu	Leu	Lys	Pro	Pro	Tyr
1															15
5 10															

Ser	Val	His	Ala	Thr	Phe	Ile	Pro	Thr	Gly	Phe	Leu	Ala	Arg	Phe	Arg
															30
20 25															

Thr Pro Gly Ile Leu Asp Ser Cys Phe Phe His Ser Trp Pro Leu Leu

35

40

45

Leu Ser Tyr Phe Leu Ser Pro Gln Ser Pro Leu Leu Lys
50 55 60

<210> 1643

<211> 86

<212> PRT

<213> Homo sapiens

<400> 1643

Met Leu Thr Ala Val Lys Met Phe Arg Leu Ser Ala Val Thr Leu Cys
1 5 10 15

Ala Phe Ser Leu Thr Leu His Ser Gly Val Gln Leu Cys Glu Gln Leu
20 25 30

Val Leu Arg Ile Ala Leu Phe Gln Asn Cys Arg Ala Glu Asp Gly Phe
35 40 45

Gly Leu Arg Val Cys Trp Arg Arg Leu Met Arg Ser Phe Cys Arg Ser
50 55 60

Ala Lys Phe Trp Gly Ser Asn Asp Leu Arg Thr Trp Gly Ser Arg Phe
65 70 75 80

Leu Trp Lys Asp Cys Thr
85

<210> 1644

<211> 86

<212> PRT

<213> Homo sapiens

<400> 1644

Met Leu Thr Ala Val Lys Met Phe Arg Leu Ser Ala Val Thr Leu Cys
1 5 10 15

Ala Phe Ser Leu Thr Leu His Ser Gly Val Gln Leu Cys Glu Gln Leu
20 25 30

Val Leu Arg Ile Ala Leu Phe Gln Asn Cys Arg Ala Glu Asp Gly Phe
35 40 45

Gly Leu Arg Val Cys Trp Arg Arg Leu Met Arg Ser Phe Cys Arg Ser
50 55 60

Ala Lys Phe Trp Gly Ser Asn Asp Leu Arg Thr Trp Gly Ser Arg Phe
65 70 75 80

Leu Trp Lys Asp Cys Thr
85

<210> 1645

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1645

Met	Gly	Leu	Leu	Ala	Phe	Leu	Lys	Thr	Gln	Phe	Val	Leu	His	Leu	Leu
1															15

Val	Gly	Phe	Val	Phe	Val	Val	Ser	Gly	Leu	Val	Ile	Asn	Phe	Val	Gln
															30
			20					25							

Leu	Cys	Thr	Leu	Ala	Leu	Trp	Pro	Val	Ser	Lys	Gln	Leu	Tyr	Arg	Arg
															45
			35				40								

Leu	Asn	Cys	Arg	Leu	Ala	Tyr	Ser	Leu	Trp	Ser	Gln	Leu	Val	Met	Leu
															60
			50				55								

Leu	Glu	Trp	Trp	Ser	Cys	Thr	Glu	Cys	Thr	Leu	Phe	Thr	Asp	Gln	Ala
															80
			65				70			75					

Thr	Val	Glu	Arg	Phe	Gly	Lys	Glu	His	Ala	Ile	Ile	Ile	Leu	Asn	His
															95
			85					90							

Asn	Phe	Glu	Ile	Asp	Phe	Leu	Cys	Gly	Trp	Thr	Met	Cys	Glu	Arg	Phe
															110
			100				105								

Gly	Met	Leu	Xaa	Ser	Ser	Lys	Gly	Pro	Arg						
			115				120								

<210> 1646

<211> 121

<212> PRT

<213> Homo sapiens

<400> 1646

Gly	Asp	Phe	Leu	Trp	Lys	Thr	Ser	Arg	Val	Asp	Glu	Lys	Glu	Ala	Ala
1															15

Gln	Trp	Leu	His	Lys	Leu	Tyr	Gln	Glu	Lys	Asp	Ala	Leu	Gln	Glu	Ile
															30
			20				25								

Tyr	Asn	Gln	Lys	Gly	Met	Phe	Pro	Gly	Glu	Gln	Phe	Lys	Pro	Ala	Arg
															45
			35				40								

Arg	Pro	Trp	Thr	Leu	Leu	Asn	Phe	Leu	Ser	Trp	Ala	Thr	Ile	Leu	Leu
50															60
						55									

Ser	Pro	Leu	Phe	Ser	Phe	Val	Leu	Gly	Val	Phe	Ala	Ser	Gly	Ser	Pro
65															80
						70			75						

Leu	Leu	Ile	Leu	Thr	Phe	Leu	Gly	Phe	Val	Gly	Ala	Ala	Ser	Phe	Gly
															95
						85			90						

Val Arg Arg Leu Ile Gly Val Thr Glu Ile Glu Lys Gly Ser Ser Tyr
 100 105 110
 Gly Asn Gln Glu Phe Lys Lys Lys Glu
 115 120

<210> 1647
 <211> 376
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1647
 Met Gly Leu Leu Ala Phe Leu Lys Thr Gln Phe Val Leu His Leu Leu
 1 5 10 15

Val Gly Phe Val Phe Val Val Ser Gly Leu Val Ile Asn Xaa Val Gln
 20 25 30

Leu Cys Thr Leu Ala Leu Trp Pro Val Ser Lys Gln Leu Tyr Arg Arg
 35 40 45

Leu Asn Cys Arg Leu Ala Tyr Ser Leu Trp Ser Gln Leu Val Met Leu
 50 55 60

Leu Glu Trp Trp Ser Cys Thr Glu Cys Thr Leu Phe Thr Asp Gln Ala
 65 70 75 80

Thr Val Glu Arg Phe Gly Lys Glu His Ala Val Ile Ile Leu Asn His
 85 90 95

Asn Phe Glu Ile Asp Phe Leu Cys Gly Trp Thr Met Cys Glu Arg Phe
 100 105 110

Gly Val Leu Gly Ser Ser Lys Val Leu Ala Lys Lys Glu Leu Leu Tyr
 115 120 125

Val Pro Leu Ile Gly Trp Thr Trp Tyr Phe Leu Glu Ile Val Phe Cys
 130 135 140

Lys Arg Lys Trp Glu Glu Asp Arg Asp Thr Val Val Glu Gly Leu Arg
 145 150 155 160

Arg Leu Ser Asp Tyr Pro Glu Tyr Met Trp Phe Leu Leu Tyr Cys Glu
 165 170 175

Gly Thr Arg Phe Thr Glu Thr Lys His Arg Val Ser Met Glu Val Ala
 180 185 190

Ala Ala Lys Gly Leu Pro Val Leu Lys Tyr His Leu Leu Pro Arg Thr
 195 200 205

Lys Gly Phe Thr Thr Ala Val Lys Cys Leu Arg Gly Thr Val Ala Ala
 210 215 220

Val Tyr Asp Val Thr Leu Asn Phe Arg Gly Asn Lys Asn Pro Ser Leu
 225 230 235 240
 Leu Gly Ile Leu Tyr Gly Lys Lys Tyr Glu Ala Asp Met Cys Val Arg
 245 250 255
 Arg Phe Pro Leu Glu Asp Ile Pro Leu Asp Glu Lys Glu Ala Ala Gln
 260 265 270
 Trp Leu His Lys Leu Tyr Gln Glu Lys Asp Ala Leu Gln Glu Ile Tyr
 275 280 285
 Asn Gln Lys Gly Met Phe Pro Gly Glu Gln Phe Lys Pro Ala Arg Arg
 290 295 300
 Pro Trp Thr Leu Leu Asn Phe Leu Ser Trp Ala Thr Ile Leu Leu Ser
 305 310 315 320
 Pro Leu Phe Ser Phe Val Leu Gly Val Phe Ala Ser Gly Ser Pro Leu
 325 330 335
 Leu Ile Leu Thr Phe Leu Gly Phe Val Gly Ala Ala Ser Phe Gly Val
 340 345 350
 Arg Arg Leu Ile Gly Val Thr Glu Ile Glu Lys Gly Ser Ser Tyr Gly
 355 360 365
 Asn Gln Glu Phe Lys Lys Lys Glu
 370 375

<210> 1648

<211> 164

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1648

Met	Arg	Thr	Leu	Val	Glu	Leu	Gly	Pro	Trp	Ala	Gly	Asp	Phe	Gly	Pro
1				5				10				15			

Asp	Leu	Leu	Leu	Thr	Leu	Leu	Phe	Leu	Leu	Phe	Leu	Ala	His	Gly	Val
				20				25				30			

Thr Leu Asp Gly Ala Ser Ala Asn Pro Thr Val Ser Leu Gln Glu Phe
 35 40 45

Leu Met Ala Glu Gln Ser Leu Pro Gly Thr Leu Leu Lys Leu Ala Ala
 50 55 60

Gln Gly Leu Gly Met Gln Ala Ala Cys Thr Leu Xaa Arg Leu Cys Trp
 65 70 75 80

Ala Trp Glu Leu Ser Asp Leu His Leu Leu Gln Ser Leu Met Ala Gln
 85 90 95

Ser Cys Ser Ser Ala Leu Arg Thr Ser Val Pro His Gly Ala Leu Xaa
 100 105 110

Glu Ala Ala Cys Thr Phe Cys Phe His Leu Thr Leu Leu His Leu Arg
 115 120 125

His Ser Pro Pro Ala Tyr Ser Gly Pro Ala Val Ala Leu Leu Val Thr
 130 135 140

Val Xaa Ala Tyr Thr Ala Gly Pro Tyr Val Cys Phe Phe Asn Pro Ala
 145 150 155 160

Leu Ala Ala Leu

<210> 1649

<211> 186

<212> PRT

<213> Homo sapiens

<400> 1649

Met Arg Thr Leu Val Glu Leu Gly Pro Trp Ala Gly Asp Phe Gly Pro
 1 5 10 15

Asp Leu Leu Leu Thr Leu Leu Phe Leu Leu Phe Leu Ala His Gly Val
 20 25 30

Thr Leu Asp Gly Ala Ser Ala Asn Pro Thr Val Ser Leu Gln Glu Phe
 35 40 45

Leu Met Ala Glu Gln Ser Leu Pro Gly Thr Leu Leu Lys Leu Ala Ala
 50 55 60

Gln Gly Leu Gly Met Gln Ala Ala Cys Thr Leu Met Arg Leu Cys Trp
 65 70 75 80

Ala Trp Glu Leu Ser Asp Leu His Leu Leu Gln Ser Leu Met Ala Gln
 85 90 95

Ser Cys Ser Ser Ala Leu Arg Thr Ser Val Pro His Gly Ala Leu Leu
 100 105 110

Glu Ala Ala Cys Thr Phe Cys Phe His Leu Thr Leu Leu His Leu Arg
 115 120 125

His Ser Pro Pro Ala Tyr Ser Gly Pro Ala Val Ala Leu Leu Val Thr

130

135

140

Val Thr Ala Tyr Thr Ala Gly Pro Phe Thr Ser Ala Phe Phe Asn Pro
 145 150 155 160

Ala Leu Ala Ala Ser Val Thr Phe Ala Cys Ser Asp Thr Pro Tyr Trp
 165 170 175

Ser Thr Cys Arg Cys Thr Gly Trp Ala Leu
 180 185

<210> 1650

<211> 206

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (200)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1650

Met Val Arg Leu Ala Ala Glu Leu Leu Leu Leu Gly Leu Leu Leu
 1 5 10 15

Leu Thr Leu His Ile Thr Val Leu Arg Gly Ser Gly Ala Ala Asp Gly
 20 25 30

Pro Asp Ala Ala Ala Gly Asn Ala Ser Gln Ala Gln Leu Gln Asn Asn
 35 40 45

Leu Asn Val Gly Ser Asp Thr Thr Ser Glu Thr Ser Phe Ser Leu Ser
 50 55 60

Lys Glu Ala Pro Arg Glu His Leu Asp His Gln Ala Ala His Gln Pro
 65 70 75 80

Phe Pro Arg Pro Arg Phe Arg Gln Glu Thr Gly His Pro Ser Leu Gln
 85 90 95

Arg Asp Phe Pro Arg Ser Phe Leu Leu Asp Leu Pro Asn Phe Pro Asp
 100 105 110

Leu Ser Lys Ala Asp Ile Asn Gly Gln Asn Pro Asn Ile Gln Val Thr
 115 120 125

Ile Glu Val Val Asp Gly Pro Asp Ser Glu Ala Asp Lys Asp Gln His
 130 135 140

Pro Glu Asn Lys Pro Ser Trp Ser Val Pro Ser Pro Asp Trp Arg Ala
 145 150 155 160

Trp Trp Gln Arg Ser Leu Ser Leu Ala Arg Ala Asn Ser Gly Asp Gln
 165 170 175

Asp Tyr Gln Tyr Asp Ser Thr Ser Asp Asp Ser Asn Phe Leu Asn Pro
 180 185 190

Pro Arg Gly Trp Asp His Thr Xaa Pro Gly His Arg Asp Phe
 195 200 205

<210> 1651

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1651

His Phe Ser Lys Gly Lys Gln Gln Asn Lys Trp Glu Lys Asp Asn Gly
 1 5 10 15

Pro His Phe Thr Tyr Phe Asn Thr Ile Leu Thr Ile Phe Ser Ser Thr
 20 25 30

Asn Ile Ser Pro Ile Asn Lys Tyr Lys Arg Gly Gly Ser Ile Trp
 35 40 45

Gly Ile Leu Xaa Phe Tyr Val Leu Arg Lys Gln Lys Lys Leu His Tyr
 50 55 60

Phe Cys Lys Val Phe Ile Glu Ser Arg Ile Ile Val His Gln Ala Ile
 65 70 75 80

Val Asn Met Thr Trp Ser Tyr Gly Val Glu Leu Arg Lys Asn Lys Val
 85 90 95

Gly Ser Tyr Ser Ile Phe Tyr Phe Ala Lys Phe
 100 105

<210> 1652

<211> 464

<212> PRT

<213> Homo sapiens

<400> 1652

Met Val Arg Leu Ala Ala Glu Leu Leu Leu Leu Gly Leu Leu Leu
 1 5 10 15

Leu Thr Leu His Ile Thr Val Leu Arg Gly Ser Gly Ala Ala Asp Gly
 20 25 30

Pro Asp Ala Ala Ala Gly Asn Ala Ser Gln Ala Gln Leu Gln Asn Asn
 35 40 45

Leu Asn Val Gly Ser Asp Thr Thr Ser Glu Thr Ser Phe Ser Leu Ser
 50 55 60

Lys Glu Ala Pro Arg Glu His Leu Asp His Gln Ala Ala His Gln Pro
 65 70 75 80

Phe Pro Arg Pro Arg Phe Arg Gln Glu Thr Gly His Pro Ser Leu Gln
 85 90 95

 Arg Asp Phe Pro Arg Ser Phe Leu Leu Asp Leu Pro Asn Phe Pro Asp
 100 105 110

 Leu Ser Lys Ala Asp Ile Asn Gly Gln Asn Pro Asn Ile Gln Val Thr
 115 120 125

 Ile Glu Val Val Asp Gly Pro Asp Ser Glu Ala Asp Lys Asp Gln His
 130 135 140

 Pro Glu Asn Lys Pro Ser Trp Ser Val Pro Ser Pro Asp Trp Arg Ala
 145 150 155 160

 Trp Trp Gln Arg Ser Leu Ser Leu Ala Arg Ala Asn Ser Gly Asp Gln
 165 170 175

 Asp Tyr Lys Tyr Asp Ser Thr Ser Asp Asp Ser Asn Phe Leu Asn Pro
 180 185 190

 Pro Arg Gly Trp Asp His Thr Ala Pro Gly His Arg Thr Phe Glu Thr
 195 200 205

 Lys Asp Gln Pro Glu Tyr Asp Ser Thr Asp Gly Glu Gly Asp Trp Ser
 210 215 220

 Leu Trp Ser Val Cys Ser Val Thr Cys Gly Asn Gly Asn Gln Lys Arg
 225 230 235 240

 Thr Arg Ser Cys Gly Tyr Ala Cys Thr Ala Thr Glu Ser Arg Thr Cys
 245 250 255

 Asp Arg Pro Asn Cys Pro Gly Ile Glu Asp Thr Phe Arg Thr Ala Ala
 260 265 270

 Thr Glu Val Ser Leu Leu Ala Gly Ser Glu Glu Phe Asn Ala Thr Lys
 275 280 285

 Leu Phe Glu Val Asp Thr Asp Ser Cys Glu Arg Trp Met Ser Cys Lys
 290 295 300

 Ser Glu Phe Leu Lys Lys Tyr Met His Lys Val Met Asn Asp Leu Pro
 305 310 315 320

 Ser Cys Pro Cys Ser Tyr Pro Thr Glu Val Ala Tyr Ser Thr Ala Asp
 325 330 335

 Ile Phe Asp Arg Ile Lys Arg Lys Asp Phe Arg Trp Lys Asp Ala Ser
 340 345 350

 Gly Pro Lys Glu Lys Leu Glu Ile Tyr Lys Pro Thr Ala Arg Tyr Cys
 355 360 365

 Ile Arg Ser Met Leu Ser Leu Glu Ser Thr Thr Leu Ala Ala Gln His
 370 375 380

 Cys Cys Tyr Gly Asp Asn Met Gln Leu Ile Thr Arg Gly Lys Gly Ala
 385 390 395 400

Gly Thr Pro Asn Leu Ile Ser Thr Glu Phe Ser Ala Glu Leu His Tyr
 405 410 415

Lys Val Asp Val Leu Pro Trp Ile Ile Cys Lys Gly Asp Trp Ser Arg
 420 425 430

Tyr Asn Glu Ala Arg Pro Pro Asn Asn Gly Gln Lys Cys Thr Glu Ser
 435 440 445

Pro Ser Asp Glu Asp Tyr Ile Lys Gln Phe Gln Glu Ala Arg Glu Tyr
 450 455 460

<210> 1653

<211> 158

<212> PRT

<213> Homo sapiens

<400> 1653

Met Thr Thr Met Ala Pro Val Gly Leu Gln Thr Arg Ile Pro Trp Leu
 1 5 10 15

Leu Cys Leu Gly Pro Pro Pro Gly Pro Cys Cys Pro Leu Ser Pro Thr
 20 25 30

Ser Thr Leu Pro His Thr Pro Thr Ala Arg Ser Leu His Pro Thr Met
 35 40 45

Ser Phe His Leu Thr Pro Met Val Gly Ala Val Pro Ala Ala Ser Ile
 50 55 60

Val Arg Ala Ala Gly Ala Val Gly Arg His Gly Val Met Gly Gly Gln
 65 70 75 80

Gly Ala Arg Gly Gly Pro Arg Ser Gly Pro Pro Ser Pro Ser Pro Ala
 85 90 95

Val Ala Val Ser Leu Ser Pro Pro Ala Glu Gly Ala Ala Phe Gly Gly
 100 105 110

Val Gly Lys Gln Val Gly Leu Ala Met Gly Ala Leu Leu His Pro Glu
 115 120 125

Ala Gln Leu Gly Val Pro Leu Ile Ser Glu Pro Thr Gln Gly Ser Ile
 130 135 140

Pro Met Asp Arg Pro Leu Ala Trp Pro Ser Pro Thr Thr Pro
 145 150 155

<210> 1654

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1654

Pro	Thr	Phe	Ser	Asp	Gln	Tyr	Leu	Ala	Pro	His	Pro	Tyr	Ser	Pro	Gln
1				5					10					15	

Pro	Pro	Pro	Tyr	His	Glu	Leu	Pro	His	Xaa	His	Gly	Gln	Ser	Gln	Arg
					20				25				30		

Val	Leu	Cys	Gly	Cys	Tyr	Val	Ala	His	Cys	Gly	Ala	Arg	Leu	Gly	Arg
					35				40			45			

Ala	Leu	Leu	Val	Cys	Asp	Trp	Val	Ser	Trp	Pro	Ser	Cys	Ala	Cys	Ser
					50			55			60				

Tyr	Ser	Ala	Trp	Ala	Gln	Pro	Thr	Ser	Cys	Cys	His	Thr	Gly	Asp	Cys
65					70				75			80			

Gly	His	Cys	Asp	Ser	His	Gln	Gln	Cys	Leu	Val	Pro	Pro	Ser	Leu	
					85				90			95			

Arg	Gly	Arg	Gln	Gly	Thr	Phe	Asp	Tyr	Phe						
					100			105							

<210> 1655

<211> 158

<212> PRT

<213> Homo sapiens

<400> 1655

Met	Thr	Thr	Met	Ala	Pro	Val	Gly	Leu	Gln	Thr	Arg	Ile	Pro	Trp	Leu
1					5				10			15			

Leu	Cys	Leu	Gly	Pro	Pro	Pro	Gly	Pro	Cys	Cys	Pro	Leu	Ser	Pro	Thr
					20				25			30			

Ser	Thr	Leu	Pro	His	Thr	Pro	Thr	Ala	Arg	Ser	Leu	His	Pro	Thr	Met
					35			40			45				

Ser	Phe	His	Leu	Thr	Pro	Met	Val	Gly	Ala	Val	Pro	Ala	Ala	Ser	Ile
					50			55			60				

Val	Arg	Ala	Ala	Gly	Ala	Val	Gly	Arg	His	Gly	Val	Met	Gly	Gly	Gln
65						70			75			80			

Gly	Ala	Arg	Gly	Gly	Pro	Arg	Ser	Gly	Pro	Pro	Ser	Pro	Ser	Pro	Ala
					85			90			95				

Val	Ala	Val	Ser	Leu	Ser	Pro	Pro	Ala	Glu	Gly	Ala	Ala	Phe	Gly	Gly
						100		105			110				

Val	Gly	Lys	Gln	Val	Gly	Leu	Ala	Met	Gly	Ala	Leu	Leu	His	Pro	Glu
						115		120			125				

Ala	Gln	Leu	Gly	Val	Pro	Leu	Ile	Ser	Glu	Pro	Thr	Gln	Gly	Ser	Ile

130

135

140

Pro Met Asp Arg Pro Leu Ala Trp Pro Ser Pro Thr Thr Pro
145 150 155

<210> 1656

<211> 66

<212> PRT

<213> Homo sapiens

<400> 1656

Met	His	Arg	Pro	Glu	Ala	Met	Leu	Leu	Leu	Leu	Thr	Leu	Ala	Leu	Leu
1		-		5					10		-			15	

Gly Gly Pro Thr Trp Ala Gly Lys Met Tyr Gly Pro Gly Gly Lys
20 25 30

Tyr Glu

65

<210> 1657

<211> 178

<212> PRT

<213> Homo sapiens

<400> 1657

Met His A

1

20 25 30

35 40 45

Vai Ser Vai Guy Bed Bed Bed Vai Bys Ser Vai Guy Vai Bys Bed Guy
50 55 60

Asp Ser Ile Asp Val Lys Leu Gly Ala Leu Gly Gly Asn Thr Glu
65 70 75 80

Gln Ala Phe Leu Arg Gly Met Val Met Tyr Thr Ser Lys Asp Arg Tyr
100 105 110

Phe Tyr Phe Gly Lys Leu Asp Gly Gln Ile Ser Ser Ala Tyr Pro Ser
115 120 125

Gln	Glu	Gly	Gln	Val	Leu	Val	Gly	Ile	Tyr	Gly	Gln	Tyr	Gln	Leu	Leu
130							135				140				
Gly	Ile	Lys	Ser	Ile	Gly	Phe	Glu	Trp	Asn	Tyr	Pro	Leu	Glu	Glu	Pro
145						150			155			160			
Thr	Thr	Glu	Pro	Pro	Val	Asn	Leu	Thr	Tyr	Ser	Ala	Asn	Ser	Pro	Val
						165			170			175			

Gly Arg

<210> 1658

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1658

Met	Thr	Phe	Cys	Leu	Phe	Val	Leu	Phe	Cys	Leu	Xaa	Trp	Ser	Leu	Ala
1				5					10				15		

Leu	Leu	Pro	Arg	Val	Glu	Cys	Ser	Gly	Ala	Ile	Ser	Ala	His	Cys	Asn
					20				25			30			

Leu	His	Leu	Pro	Gly	Ser	Gly	Gly	Phe	Ser	Cys	Leu	Ser	Leu	Leu	Ser
					35			40			45				

Ser	Trp	Asp	Xaa	Arg	His	Ala	Pro	Pro	Cys	Pro	Asp	Asn	Phe	Cys	Xaa
					50			55			60				

Phe	Ser	Xaa	Xaa	Gly	Val	Ser	Leu	Cys	Trp	Gln	Ala	Gly	Leu	Glu	His
					65			70			75			80	

Leu Thr Arg Gly Pro Pro Ala Ser Ala Ser Gln Ser Thr Gly Ile Thr		
85	90	95
Gly Val Ser His Pro Ala Trp Pro Arg Met Thr Phe Lys Arg Ser Asn		
100	105	110

<210> 1659

<211> 122

<212> PRT

<213> Homo sapiens

<400> 1659

Met Thr Thr Ala Ser Ser Leu Ile Ser Pro Phe Phe Pro Leu Pro Pro			
1	5	10	15

Pro Ala His Phe Ser Gln Cys Arg Met Thr Phe Cys Leu Phe Val Leu		
20	25	30

Phe Cys Leu Arg Trp Ser Leu Ala Leu Leu Pro Arg Val Glu Cys Ser		
35	40	45

Gly Ala Ile Ser Ala His Cys Asn Leu His Leu Pro Gly Ser Ser Gly		
50	55	60

Phe Ser Cys Leu Ser Leu Leu Ser Ser Trp Asp Tyr Arg His Ala Pro			
65	70	75	80

Pro Cys Pro Asp Asn Phe Cys Ile Phe Ser Arg Asp Gly Val Ser Leu		
85	90	95

Cys Trp Pro Gly Trp Ser Arg Thr Pro Asp Leu Val Val His Pro Pro		
100	105	110

Arg Pro Pro Lys Ala Leu Gly Leu Gln Ala		
115	120	

<210> 1660

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1660

Met Cys Lys Gly Leu Lys Asn Pro Glu Gly Leu Leu Leu Leu Leu			
1	5	10	15

Leu Leu Leu Phe Thr Asp Thr Xaa Asn Ser His Cys Leu Pro Pro Tyr		
20	25	30

Leu Ser Cys Phe Leu His Glu Arg Gln Pro Glu Leu Gln Ser Val Cys
 35 40 45

Ile Ser Ala Ala Tyr Val Leu Ala Pro Leu Gln Asn Pro Val Ser Ser
 50 55 60

Leu
 65

<210> 1661

<211> 299

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1661

Gly Gly Glu Glu Glu Gly Glu Glu Gly Ala Glu Ile Ser Gly Leu Gly
 1 5 10 15

Ala Gly Arg Arg Ser Ala Pro Ile Ala Val Gly Leu Gly Phe Leu Gly
 20 25 30

Val Gly Gly Arg Gly Gly Ser Asp Met Glu Ala Asn Gly Ser Gln Gly
 35 40 45

Thr Ser Gly Ser Ala Asn Asp Ser Gln His Asp Pro Gly Lys Met Phe
 50 55 60

Ile Gly Gly Leu Ser Trp Gln Thr Ser Pro Asp Ser Leu Arg Asp Tyr
 65 70 75 80

Phe Ser Lys Phe Gly Glu Ile Arg Glu Cys Met Val Met Arg Asp Pro
 85 90 95

Thr Thr Lys Arg Ser Arg Gly Phe Gly Phe Val Thr Phe Ala Asp Pro
 100 105 110

Ala Ser Val Asp Lys Val Leu Gly Gln Pro His His Glu Leu Asp Ser
 115 120 125

Lys Thr Ile Asp Pro Lys Val Ala Phe Pro Arg Arg Ala Gln Pro Lys
 130 135 140

Met Val Thr Arg Thr Lys Lys Ile Phe Val Gly Gly Leu Ser Ala Asn
 145 150 155 160

Thr Val Val Glu Asp Val Lys Gln Tyr Phe Glu Xaa Phe Xaa Lys Val
 165 170 175

Glu Asp Ala Met Leu Met Phe Asp Lys Thr Thr Asn Arg His Arg Gly
 180 185 190

Phe Gly Phe Val Thr Phe Glu Asn Glu Asp Val Val Glu Lys Val Cys
 195 200 205

Glu Ile His Phe His Glu Ile Asn Asn Lys Met Val Glu Cys Lys Lys
 210 215 220

Ala Gln Pro Lys Glu Val Met Phe Pro Pro Gly Thr Arg Gly Arg Ala
 225 230 235 240

Arg Gly Leu Pro Tyr Thr Met Asp Ala Phe Met Leu Gly Met Gly Met
 245 250 255

Leu Gly Glu Ser Gly Gln Asp Arg Arg Ser Pro Trp Thr Gly Arg Ala
 260 265 270

Met Glu Ala Ser Thr Pro Asn Trp Val Thr Tyr Gln Trp Gly Lys Leu
 275 280 285

Leu His Leu Ser Lys Pro Gln Phe Pro Cys Leu
 290 295

<210> 1662

<211> 97

<212> PRT

<213> Homo sapiens

<400> 1662

Met Cys Lys Gly Leu Lys Asn Pro Glu Gly Leu Leu Leu Leu Leu
 1 5 10 15

Leu Leu Leu Phe Thr Asp Thr Ser Asn Ser His Cys Leu Pro Pro Tyr
 20 25 30

Leu Ser Cys Phe Leu His Glu Arg Gln Pro Glu Leu Gln Ser Val Cys
 35 40 45

Ile Ser Ala Ala Tyr Val Leu Ala Thr Pro Pro Glu Pro Ser Phe Ile
 50 55 60

Leu Val Gly Phe Ser Glu Ala Gly Phe Ala Gln Val Ala Cys Phe Leu
 65 70 75 80

Lys Tyr Leu Phe Cys Arg Pro Phe Thr Arg His Gly Tyr Phe Tyr Ser
 85 90 95

Gly

<210> 1663

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1663.

Met Leu Ala Ala Ala Pro Leu His Glu Gln Lys Gln Met Ile Gly Thr			
1	5	10	15

Cys Tyr Leu Val Leu Lys Arg Trp Ser Asp Trp Met Val Leu Ser Phe			
20	25	30	

Leu Pro Leu Leu Leu Ser Cys Asp Phe Glu Gly Ser Val Ser Thr Pro			
35	40	45	

Leu Ser Met Met Ser Thr Pro Ser Trp Leu Ala Arg Ser Arg Ala Cys			
50	55	60	

Cys Trp Arg Leu Thr Thr Xaa Ser Cys Cys Ser Cys Trp Ser Leu Gln			
65	70	75	80

Asn Pro Ser Met Pro Arg			
85			

<210> 1664

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1664

Met Leu Ala Ala Ala Pro Leu His Glu Gln Lys Gln Met Ile Gly Thr			
1	5	10	15

Cys Tyr Leu Val Leu Lys Arg Trp Ser Asp Trp Met Val Leu Ser Phe			
20	25	30	

Leu Pro Leu Leu Leu Ser Cys Asp Phe Glu Gly Ser Val Ser Thr Pro			
35	40	45	

Leu Ser Met Met Ser Thr Pro Ser Trp Leu Ala Arg Ser Arg Ala Cys			
50	55	60	

Cys Trp Arg Leu Thr Thr Xaa Ser Cys Cys Ser Cys Trp Ser Leu Gln			
65	70	75	80

Asn Pro Ser Met Pro Arg			
85			

<210> 1665

<211> 49

<212> PRT

<213> Homo sapiens

<400> 1665

Met Lys His Ser Phe Leu Ser Ser Asp Leu Ile Trp Cys Val Leu Ser
1 5 10 15

Leu Leu Cys Leu Gly Val Trp Phe Arg Glu Thr Trp Thr Thr Leu Phe
20 25 30

Gly Arg Thr Gly Leu Pro Arg Asn Gln Gln Cys Pro Arg Arg Lys Gly
35 40 45

Leu

<210> 1666

<211> 49

<212> PRT

<213> Homo sapiens

<400> 1666

Met Lys His Ser Phe Leu Ser Ser Asp Leu Ile Trp Cys Val Leu Ser
1 5 10 15

Leu Leu Cys Leu Gly Val Trp Phe Arg Glu Thr Trp Thr Thr Leu Phe
20 25 30

Gly Arg Thr Gly Leu Pro Arg Asn Gln Gln Cys Pro Arg Arg Lys Gly
35 40 45

Leu

<210> 1667

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1667

Met	Tyr	Val	Thr	Leu	Val	Phe	Arg	Val	Lys	Gly	Ser	Arg	Leu	Val	Lys
1					5				10					15	

Pro	Ser	Leu	Cys	Leu	Ala	Leu	Leu	Cys	Pro	Ala	Phe	Leu	Val	Gly	Val
													20	25	30

Val	Arg	Val	Ala	Glu	Tyr	Arg	Asn	His	Trp	Ser	Asp	Val	Leu	Ala	Gly
													35	40	45

Phe	Leu	Thr	Gly	Ala	Ala	Ile	Ala	Thr	Phe	Leu	Val	Thr	Cys	Val	Val
													50	55	60

His	Asn	Phe	Gln	Xaa	Arg	Pro	Pro	Ser	Gly	Arg	Xaa	Leu	Ser	Pro	Gln	
													65	70	75	80

Ser	Ala	Tyr	Pro	Arg	Leu	Pro	Gly	Pro	Xaa	Phe	Pro	His	Leu	His	Asn
													85	90	95

Gly	Gly	Asp	His	Pro	Cys	Pro	Ala	Gly	Cys	Arg	Xaa	Gly	Cys	Glu	Ser
													100	105	110

Ser	Ala	Trp	Met	Gln	Pro	Gly	Gly	Ser	His	Arg	Ala	Ala	Phe	Thr	Gly
													115	120	125

Leu	Ala	Leu	Pro	Trp	Ala	Gly	Gly	Arg	Pro	His	Pro	Lys	Arg		
													130	135	140

<210> 1668

<211> 110

<212> PRT

<213> Homo sapiens

<400> 1668

Met	Tyr	Val	Thr	Leu	Val	Phe	Arg	Val	Lys	Gly	Ser	Arg	Leu	Val	Lys
1						5			10				15		

Pro	Ser	Leu	Cys	Leu	Ala	Leu	Cys	Pro	Ala	Phe	Leu	Val	Gly	Val	
													20	25	30

Val	Arg	Val	Ala	Glu	Tyr	Arg	Asn	His	Trp	Ser	Asp	Val	Leu	Ala	Gly
													35	40	45

Phe	Leu	Thr	Gly	Ala	Ala	Ile	Ala	Thr	Phe	Leu	Val	Thr	Cys	Val	Val
													50	55	60

His	Asn	Phe	Gln	Ser	Arg	Pro	Pro	Ser	Gly	Arg	Arg	Leu	Ser	Pro	Gln	
													65	70	75	80

Ser	Ala	Tyr	Pro	Arg	Leu	Pro	Gly	Pro	Gln	Phe	Pro	His	Leu	His	Asn
													85	90	95

Gly	Gly	Asp	His	Pro	Cys	Pro	Ala	Gly	Cys	Gln	Glu	Arg	Leu		
													100	105	110

<210> 1669

<211> 159

<212> PRT

<213> Homo sapiens

<400> 1669

Met Ala Gly Pro Gly Trp Thr Leu	Leu										
1	5		10								15

Leu	Leu	Gly	Ser	Met	Ala	Gly	Tyr	Gly	Pro	Gln	Lys	Lys	Asn	Leu
	20						25						30	

Ser	His	Lys	Gly	Ile	Gly	Glu	Pro	Cys	Gly	Arg	His	Glu	Glu	Cys	Gln
		35				40					45				

Ser	Asn	Cys	Cys	Thr	Ile	Asn	Ser	Leu	Ala	Pro	His	Thr	Leu	Cys	Thr
	50					55					60				

Pro	Lys	Thr	Ile	Phe	Leu	Gln	Cys	Leu	Pro	Trp	Arg	Lys	Pro	Asn	Gly
65				70					75				80		

Tyr	Arg	Cys	Ser	His	Asp	Ser	Glu	Cys	Gln	Ser	Ser	Cys	Cys	Val	Arg
		85							90					95	

Asn	Asn	Ser	Pro	Gln	Glu	Leu	Cys	Thr	Pro	Gln	Ser	Val	Phe	Leu	Gln
		100						105				110			

Cys	Val	Pro	Trp	Arg	Lys	Pro	Asn	Gly	Asp	Phe	Cys	Ser	Ser	His	Gln
	115					120					125				

Glu	Cys	His	Ser	Gln	Cys	Cys	Ile	Gln	Leu	Arg	Glu	Tyr	Ser	Pro	Phe
	130					135				140					

Arg	Cys	Ile	Pro	Arg	Thr	Gly	Ile	Leu	Ala	Gln	Cys	Leu	Pro	Leu
145					150					155				

<210> 1670

<211> 110

<212> PRT

<213> Homo sapiens

<400> 1670

Met	Arg	Trp	Pro	Cys	Pro	Thr	Ser	Lys	Pro	Ala	Pro	Pro	Val	Leu
1			5					10					15	

Trp	Ser	His	Leu	Cys	Gln	His	Arg	Trp	Gly	Leu	Thr	Pro	Ala	Ser	Thr
	20						25				30				

Leu	Leu	Cys	Trp	Leu	Leu	Leu	Phe	Asn	Leu	Gly	Thr	Cys	Leu	Ser	Phe
				35				40			45				

Ser	His	Leu	Lys	Gln	Asn	Asn	Asn	Asn	Ser	Asn	Asn	Thr	Ser	Lys	Ile	Ser
	50					55					60					

Phe	Asp	Pro	Ala	Ser	Leu	Cys	Trp	Val	Ile	Ile	Ser	Leu	Ser	Phe	Pro
65					70				75			80			

Pro Phe Pro Ser Lys His Leu Lys Arg Val Val Tyr Thr Gln His Ser
 85 90 95

Pro Phe Pro His Tyr Pro Leu Thr Pro Gln Pro Ala Ala Ile
 100 105 110

<210> 1671

<211> 382

<212> PRT

<213> Homo sapiens

<400> 1671

Gly Pro Glu Arg Gly Arg Tyr Tyr Pro Lys Ser His Lys Asn Val Asp
 1 5 10 15

Leu Asn Asp Val Leu Val Pro Lys Pro Phe Ser Gln Phe Trp Gln Pro
 20 25 30

Leu Leu Arg Gly Leu His Ser Gln Asn Phe Thr Gln Ala Leu Leu Glu
 35 40 45

Arg Met Leu Ser Glu Leu Pro Ala Leu Gly Ile Ser Gly Ile Arg Pro
 50 55 60

Thr Tyr Ile Leu Arg Trp Thr Val Glu Leu Ile Val Ala Asn Thr Lys
 65 70 75 80

Thr Gly Arg Asn Ala Arg Arg Phe Ser Ala Gly Gln Trp Glu Ala Arg
 85 90 95

Arg Gly Trp Arg Leu Phe Asn Cys Ser Ala Ser Leu Asp Trp Pro Arg
 100 105 110

Met Val Glu Ser Cys Leu Gly Ser Pro Cys Trp Ala Ser Pro Gln Leu
 115 120 125

Leu Arg Ile Ile Phe Lys Ala Met Gly Gln Gly Leu Pro Asp Glu Glu
 130 135 140

Gln Glu Lys Leu Leu Arg Ile Cys Ser Ile Tyr Thr Gln Ser Gly Glu
 145 150 155 160

Asn Ser Leu Val Gln Glu Gly Ser Glu Ala Ser Pro Ile Gly Lys Ser
 165 170 175

Pro Tyr Thr Leu Asp Ser Leu Tyr Trp Ser Val Lys Pro Ala Ser Ser
 180 185 190

Ser Phe Gly Ser Glu Ala Lys Ala Gln Gln Glu Glu Gln Gly Ser
 195 200 205

Val Asn Asp Val Lys Glu Glu Lys Glu Glu Lys Glu Val Leu Pro
 210 215 220

Asp Gln Val Glu Glu Glu Glu Asn Asp Asp Gln Glu Glu Glu Glu
 225 230 235 240

Glu Asp Glu Asp Asp Glu Asp Asp Glu Glu Asp Arg Met Glu Val

245

250

255

Gly Pro Phe Ser Thr Gly Gln Glu Ser Pro Thr Ala Glu Asn Ala Arg
 260 265 270

Leu Leu Ala Gln Lys Arg Gly Ala Leu Gln Gly Ser Ala Trp Gln Val
 275 280 285

Ser Ser Glu Asp Val Arg Trp Asp Thr Phe Pro Leu Gly Arg Met Pro
 290 295 300

Gly Gln Thr Glu Asp Pro Ala Glu Leu Met Leu Glu Asn Tyr Asp Thr
 305 310 315 320

Met Tyr Leu Leu Asp Gln Pro Val Leu Glu Gln Arg Leu Glu Pro Ser
 325 330 335

Thr Cys Lys Thr Asp Thr Leu Gly Leu Ser Cys Gly Val Gly Ser Gly
 340 345 350

Asn Cys Ser Asn Ser Ser Ser Asn Phe Glu Gly Leu Leu Trp Ser
 355 360 365

Gln Gly Gln Leu His Gly Leu Lys Thr Gly Leu Gln Leu Phe
 370 375 380

<210> 1672

<211> 110

<212> PRT

<213> Homo sapiens

<400> 1672

Met Arg Trp Pro Cys Pro Thr Ser Lys Pro Ala Pro Pro Pro Val Leu
 1 5 10 15

Trp Ser His Leu Cys Gln His Arg Trp Gly Leu Thr Pro Ala Ser Thr
 20 25 30

Leu Leu Cys Trp Leu Leu Leu Phe Asn Leu Gly Thr Cys Leu Ser Phe
 35 40 45

Ser His Leu Lys Gln Asn Asn Asn Asn Ser Asn Thr Ser Lys Ile Ser
 50 55 60

Phe Asp Pro Ala Ser Leu Cys Trp Val Ile Ile Ser Leu Ser Phe Pro
 65 70 75 80

Pro Phe Pro Ser Lys His Leu Lys Arg Val Val Tyr Thr Gln His Ser
 85 90 95

Pro Phe Pro His Tyr Pro Leu Thr Pro Gln Pro Ala Ala Ile
 100 105 110

<210> 1673

<211> 156

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1673

Met	Leu	Gln	Gly	His	Ser	Ser	Val	Phe	Gln	Ala	Leu	Leu	Gly	Thr	Phe
1															

5

10

15

Phe	Thr	Trp	Gly	Met	Thr	Ala	Ala	Gly	Ala	Ala	Leu	Val	Phe	Val	Phe

20

25

30

Ser	Ser	Gly	Gln	Arg	Arg	Ile	Leu	Asp	Gly	Ser	Leu	Gly	Phe	Ala	Ala

35

40

45

Gly	Val	Met	Leu	Ala	Ala	Ser	Tyr	Trp	Ser	Leu	Leu	Ala	Pro	Ala	Val

50

55

60

Glu	Met	Ala	Thr	Ser	Ser	Gly	Gly	Phe	Gly	Ala	Phe	Phe	Pro		

65

70

75

80

Val	Ala	Val	Gly	Phe	Thr	Leu	Gly	Ala	Ala	Phe	Xaa	Tyr	Leu	Ala	Asp

85

90

95

Leu	Leu	Met	Pro	His	Leu	Gly	Ala	Ala	Glu	Asp	Pro	Gln	Thr	Ala	Leu

100

105

110

Ala	Xaa	Asn	Phe	Gly	Ser	Thr	Leu	Met	Xaa	Lys	Lys	Ser	Asp	Pro	Glu

115

120

125

Gly	Pro	Ala	Leu	Leu	Xaa	Pro	Glu	Ser	Glu	Leu	Phe	Ile	Arg	Ile	Gly

130

135

140

Arg	Leu	Ala	Ser	Phe	Ser	Ser	Ser	Leu	Leu	Gln	His				

145

150

155

<210> 1674

<211> 167

<212> PRT

<213> Homo sapiens

<220

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1674

Met Leu Gln Gly His Ser Ser Val Phe Gln Ala Leu Leu Gly Thr Phe.
1 5 10 . 15

Phe Thr Trp Gly Met Thr Ala Ala Gly Ala Ala Leu Val Phe Val Phe
20 25 30

Ser Ser Gly Gln Arg Arg Ile Leu Asp Gly Ser. Leu Gly Phe Ala Ala
35 40 45

Gly Val Met Leu Ala Ala Ser Tyr Trp Ser Leu Leu Ala Pro Ala Val
50 55 60

Glu Met Ala Thr Ser Ser Gly Gly Phe Gly Ala Phe Ala Phe Phe Pro
65 70 75 80

Leu Leu Met Pro His Leu Gly Ala Ala Glu Asp Pro Gln Thr Ala Leu
100 105 110

Ala Leu Asn Phe Gly Ser Thr Leu Met Lys Lys Lys Ser Asp Pro Glu
 115 120 125

Gly His Ala Leu Leu Phe Pro Glu Arg Ile His Xaa Ile Asp Lys Ser
130 135 140

Glu Asn Gly Glu Ala Tyr Gln Arg Lys Lys Ala Ala Ala Thr Gly Leu
145 150 155 160

Pro Glu Gly Pro Ala Val Pro
165 .

<210> 1675

<211> 204

<212> PRT

<213> Homo sapiens

<400> 1675

Met Phe Gln Phe Leu Ser Gln Gly Phe Tyr Cys Gly Val Gly Leu Phe
 1 5 10 15

Thr Arg Phe Leu Lys Leu Leu Gly Ala Leu Leu Leu Leu Ala Leu Ala
20 25 30

Leu Phe Leu Gly Phe Leu Gln Leu Gly Trp Arg Phe Leu Val Gly Leu
35 40 45

Gly Asp Arg Leu Gly Trp Arg Asp Lys Ala. Thr Trp Leu Phe Ser Trp
 50 55 60

Leu Asp Ser Pro Ala Leu Gln Arg Cys Leu Thr Leu Leu Arg Asp Ser

65	70	75	80
Arg Pro Trp Gln Arg Leu Val Arg Ile Val Gln Trp Gly Trp Leu Glu			
85		90	95
Leu Pro Trp Val Lys Gln Asn Ile Asn Arg Gln Gly Asn Ala Pro Val			
100		105	110
Ala Ser Gly Arg Tyr Cys Gln Pro Glu Glu Glu Val Ala Arg Leu Leu			
115		120	125
Thr Met Ala Gly Val Pro Glu Asp Glu Leu Asn Pro Phe His Val Leu			
130		135	140
Gly Val Glu Ala Thr Ala Ser Asp Val Glu Leu Lys Lys Ala Tyr Arg			
145		150	155
Gln Leu Ala Val Met Val His Pro Asp Lys Asn His His Pro Arg Ala			
165		170	175
Glu Glu Ala Phe Lys Val Phe Ala Ser Ser Leu Gly Thr Leu Ser Ala			
180		185	190
Met Leu Lys Lys Arg Lys Gly Val Trp Arg Leu Lys			
195		200	

<210> 1676

<211> 412

<212> PRT

<213> Homo sapiens

<400> 1676

Met	Gly	Val	Trp	Thr	Gly	Arg	Leu	Gly	Gly	Trp	Ala	Gln	Val	Met	Phe
1				5			10			15					

Gln	Phe	Leu	Ser	Gln	Gly	Phe	Tyr	Cys	Gly	Val	Gly	Leu	Phe	Thr	Arg
20				25					30						

Phe	Leu	Lys	Leu	Leu	Gly	Ala	Leu	Leu	Leu	Ala	Leu	Ala	Leu	Phe
35					40					45				

Leu	Gly	Phe	Leu	Gln	Leu	Gly	Trp	Arg	Phe	Leu	Val	Gly	Leu	Gly	Asp
50				55				60							

Arg	Leu	Gly	Trp	Arg	Asp	Lys	Ala	Thr	Trp	Leu	Phe	Ser	Trp	Leu	Asp
65				70			75		80						

Ser	Pro	Ala	Leu	Gln	Arg	Cys	Leu	Thr	Leu	Leu	Arg	Asp	Ser	Arg	Pro
85					90					95					

Trp	Gln	Arg	Leu	Val	Arg	Ile	Val	Gln	Trp	Gly	Trp	Leu	Glu	Leu	Pro
100					105				110						

Trp	Val	Lys	Gln	Asn	Ile	Asn	Arg	Gln	Gly	Asn	Ala	Pro	Val	Ala	Ser
115					120				125						

Gly	Arg	Tyr	Cys	Gln	Pro	Glu	Glu	Val	Ala	Arg	Leu	Leu	Thr	Met
130				135				140						

Ala Gly Val Pro Glu Asp Glu Leu Asn Pro Phe His Val Leu Gly Val
 145 150 155 160
 Glu Ala Thr Ala Ser Asp Val Glu Leu Lys Lys Ala Tyr Arg Gln Leu
 165 170 175
 Ala Val Met Val His Pro Asp Lys Asn His His Pro Arg Ala Glu Glu
 180 185 190
 Ala Phe Lys Val Leu Arg Ala Ala Trp Asp Ile Val Ser Asn Ala Glu
 195 200 205
 Lys Arg Lys Glu Tyr Glu Met Lys Arg Met Ala Glu Asn Glu Leu Ser
 210 215 220
 Arg Ser Val Asn Glu Phe Leu Ser Lys Leu Gln Asp Asp Leu Lys Glu
 225 230 235 240
 Ala Met Asn Thr Met Met Cys Ser Arg Cys Gln Gly Lys His Arg Arg
 245 250 255
 Phe Glu Met Asp Arg Glu Pro Lys Ser Ala Arg Tyr Cys Ala Glu Cys
 260 265 270
 Asn Arg Leu His Pro Ala Glu Glu Gly Asp Phe Trp Ala Glu Ser Ser
 275 280 285
 Met Leu Gly Leu Lys Ile Thr Tyr Phe Ala Leu Met Asp Gly Lys Val
 290 295 300
 Tyr Asp Ile Thr Gln Trp Ala Gly Cys Gln Arg Val Gly Ile Ser Pro
 305 310 315 320
 Asp Thr His Arg Val Pro Tyr His Ile Ser Phe Gly Ser Arg Ile Pro
 325 330 335
 Gly Thr Arg Gly Arg Gln Arg Ala Thr Pro Asp Ala Pro Pro Ala Asp
 340 345 350
 Leu Gln Asp Phe Leu Ser Arg Ile Phe Gln Val Pro Pro Gly Gln Met
 355 360 365
 Pro Asn Gly Asn Phe Phe Ala Ala Pro Gln Pro Ala Pro Gly Ala Ala
 370 375 380
 Ala Ala Ser Lys Pro Asn Ser Thr Val Pro Lys Gly Glu Ala Lys Pro
 385 390 395 400
 Lys Arg Arg Lys Lys Val Arg Arg Pro Phe Gln Arg
 405 410

<210> 1677
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1677

Met Ala Leu Phe Arg Cys Val Trp Ser Val	Leu Ser Ala Leu Gly Lys		
1	5	10	15

Ser Gly Ser Asp Leu Cys Ala Gly Cys Gly Ser Arg	Leu Arg Ser Pro	
20	25	30

Phe Ser Phe Ala Tyr Val Pro Arg Cys Phe Ser Ser	Thr Ala Asn Ser	
35	40	45

Tyr Pro Lys Lys Pro Leu Thr Ser Tyr Val Arg	Phe Ser Lys Glu Gln	
50	55	60

Leu Pro Ile Phe Lys Ala Gln Asn Pro Asp Ala Lys	Asn Ser Glu Leu		
65	70	75	80

Ile Arg Lys Ile Ala Gln Leu Trp Arg Glu Leu Pro	Asp Ser Glu Lys	
85	90	95

Lys Ile Tyr Glu Asp Ala Tyr Arg Ala Asp Leu Ala	Gly His Thr Lys	
100	105	110

Lys Glu Ile Asn Arg Ile Xaa Glu Pro Gly	
115	120

<210> 1678

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1678

Met Ala Leu Phe Arg Cys Val Trp Ser Val	Leu Ser Ala Leu Gly Lys		
1	5	10	15

Ser Gly Ser Asp Leu Cys Ala Gly Cys Gly Ser Arg	Leu Arg Ser Pro	
20	25	30

Phe Ser Phe Ala Tyr Val Pro Arg Cys Phe Ser Ser	Thr Ala Asn Ser	
35	40	45

Tyr Pro Lys Lys Pro Leu Thr Ser Tyr Val Arg	Phe Ser Lys Glu Gln	
50	55	60

Leu Pro Ile Phe Lys Ala Gln Asn Pro Asp Ala Lys	Asn Ser Glu Leu		
65	70	75	80

Ile Arg Lys Ile Ala Gln Leu Trp Arg Glu Leu Pro	Asp Ser Glu Lys	
85	90	95

Lys Ile Tyr Glu Asp Ala Tyr Arg Ala Asp Trp Gln	Ala Tyr Lys Glu	
100	105	110

Glu Ile Asn Arg Ile Gln Glu Gln Leu Thr Pro Ser	Gln Ile Val Ser	
115	120	125

Leu Glu Lys Glu Ile Gln Gln Lys Arg Leu Lys Lys Lys Ala Leu Ile
 130 135 140
 Lys Lys Arg Glu Leu Thr Met Leu Gly Lys Pro Lys Arg Pro Arg Ser
 145 150 155 160
 Ala Tyr Asn Ile Phe Ile Ala Glu Arg Phe Gln Glu Thr Lys Asp Gly
 165 170 175
 Thr Ser Gln Val Lys Leu Lys Thr Ile Asn Glu Asn Trp Lys Asn Leu
 180 185 190
 Ser Ser Ser Gln Lys Gln Val Tyr Ile Gln Leu Ala Asn Asp Asp Lys
 195 200 205
 Ile Arg Tyr Tyr Asn Glu Met Lys Ser Trp Glu Glu Gln Met Met Glu
 210 215 220
 Val Gly Arg Lys Asp Leu Leu Arg Arg Thr Val Lys His Gln Arg Lys
 225 230 235 240
 Val Asp Pro Glu Glu Tyr
 245

<210> 1679

<211> 495

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (330)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (333)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1679

Met Ser Met Leu Val Val Phe Leu Leu Leu Trp Gly Val Thr Trp Gly
 1 5 10 15

Pro Val Thr Glu Ala Ala Ile Phe Tyr Glu Thr Gln Pro Ser Leu Trp
 20 25 30

Ala Glu Ser Glu Ser Leu Leu Lys Pro Leu Ala Asn Val Thr Leu Thr
 35 40 45

Cys Gln Ala Arg Leu Glu Thr Pro Asp Phe Gln Leu Phe Lys Asn Gly
 50 55 60

Val Ala Gln Glu Pro Val His Leu Asp Ser Pro Ala Ile Lys His Gln
 65 70 75 80

Phe Leu Leu Thr Gly Asp Thr Gln Gly Arg Tyr Arg Cys Arg Ser Gly
 85 90 95

Leu Ser Thr Gly Trp Thr Gln Leu Ser Lys Leu Leu Glu Leu Thr Gly
 100 105 110
 Pro Lys Ser Leu Pro Ala Pro Trp Leu Ser Met Ala Pro Val Ser Trp
 115 120 125
 Ile Thr Pro Gly Leu Lys Thr Thr Ala Val Cys Arg Gly Val Leu Arg
 130 135 140
 Gly Val Thr Phe Leu Leu Arg Arg Glu Gly Asp His Glu Phe Leu Glu
 145 150 155 160
 Val Pro Glu Ala Gln Glu Asp Val Glu Ala Thr Phe Pro Val His Gln
 165 170 175
 Pro Gly Asn Tyr Ser Cys Ser Tyr Arg Thr Asp Gly Glu Gly Ala Leu
 180 185 190
 Ser Glu Pro Ser Ala Thr Val Thr Ile Glu Glu Leu Ala Ala Pro Pro
 195 200 205
 Pro Pro Val Leu Met His His Gly Glu Ser Ser Gln Val Leu His Pro
 210 215 220
 Gly Asn Lys Val Thr Leu Thr Cys Val Ala Pro Leu Ser Gly Val Asp
 225 230 235 240
 Phe Gln Leu Arg Arg Gly Glu Lys Glu Leu Leu Val Pro Arg Ser Ser
 245 250 255
 Thr Ser Pro Asp Arg Ile Phe Phe His Leu Asn Ala Val Ala Leu Gly
 260 265 270
 Asp Gly Gly His Tyr Thr Cys Arg Tyr Arg Leu His Asp Asn Gln Asn
 275 280 285
 Gly Trp Ser Gly Asp Ser Ala Pro Val Glu Leu Ile Leu Ser Asp Glu
 290 295 300
 Thr Leu Pro Ala Pro Glu Phe Ser Pro Glu Pro Glu Ser Gly Arg Ala
 305 310 315 320
 Leu Arg Leu Arg Cys Leu Ala Pro Leu Xaa Gly Ala Xaa Phe Ala Leu
 325 330 335
 Val Arg Glu Asp Arg Gly Arg Arg Val His Arg Phe Gln Ser Pro
 340 345 350
 Ala Gly Thr Glu Ala Leu Phe Glu Leu His Asn Ile Ser Val Ala Asp
 355 360 365
 Ser Ala Asn Tyr Ser Cys Val Tyr Val Asp Leu Lys Pro Pro Phe Gly
 370 375 380
 Gly Ser Ala Pro Ser Glu Arg Leu Glu Leu His Val Asp Gly Pro Pro
 385 390 395 400
 Pro Arg Pro Gln Leu Arg Ala Thr Trp Ser Gly Ala Val Leu Ala Gly
 405 410 415

Arg Asp Ala Val Leu Arg Cys Glu Gly Pro Ile Pro Asp Val Thr Phe
 420 425 430

Glu Leu Leu Arg Glu Gly Glu Thr Lys Ala Val Lys Thr Val Arg Thr
 435 440 445

Pro Gly Ala Ala Ala Asn Leu Glu Leu Ile Phe Val Gly Pro Gln His
 450 455 460

Ala Gly Asn Tyr Arg Cys Arg Tyr Arg Ser Trp Val Pro His Thr Phe
 465 470 475 480

Glu Ser Glu Leu Ser Asp Pro Val Glu Leu Leu Val Ala Glu Ser
 485 490 495

<210> 1680

<211> 495

<212> PRT

<213> Homo sapiens

<400> 1680

Met Ser Met Leu Val Val Phe Leu Leu Leu Trp Gly Val Thr Trp Gly
 1 5 10 15

Pro Val Thr Glu Ala Ala Ile Phe Tyr Glu Thr Gln Pro Ser Leu Trp
 20 25 30

Ala Glu Ser Glu Ser Leu Leu Lys Pro Leu Ala Asn Val Thr Leu Thr
 35 40 45

Cys Gln Ala Arg Leu Glu Thr Pro Asp Phe Gln Leu Phe Lys Asn Gly
 50 55 60

Val Ala Gln Glu Pro Val His Leu Asp Ser Pro Ala Ile Lys His Gln
 65 70 75 80

Phe Leu Leu Thr Gly Asp Thr Gln Gly Arg Tyr Arg Cys Arg Ser Gly
 85 90 95

Leu Ser Thr Gly Trp Thr Gln Leu Ser Lys Leu Leu Glu Leu Thr Gly
 100 105 110

Pro Lys Ser Leu Pro Ala Pro Trp Leu Ser Met Ala Pro Val Ser Trp
 115 120 125

Ile Thr Pro Gly Leu Lys Thr Thr Ala Val Cys Arg Gly Val Leu Arg
 130 135 140

Gly Val Thr Phe Leu Leu Arg Arg Glu Gly Asp His Glu Phe Leu Glu
 145 150 155 160

Val Pro Glu Gly Gln Glu Asp Val Glu Ala Thr Phe Pro Val His Gln
 165 170 175

Pro Gly Asn Tyr Ser Cys Ser Tyr Arg Thr Asp Gly Glu Gly Ala Leu
 180 185 190

Ser Glu Pro Ser Ala Thr Val Thr Ile Glu Glu Leu Ala Ala Pro Pro
195 200 205

Pro Pro Val Leu Met His His Gly Glu Ser Ser Gln Val Leu His Pro
210 215 220

Gly Asn Lys Val Thr Leu Thr Cys Val Ala Pro Leu Ser Gly Val Asp
225 230 235 240

Phe Gln Leu Arg Arg Gly Glu Lys Glu Leu Leu Val Pro Arg Ser Ser
245 250 255

Thr Ser Pro Asp Arg Ile Phe Phe His Leu Asn Ala Val Ala Leu Gly
260 265 270

Asp Gly Gly His Tyr Thr Cys Arg Tyr Arg Leu His Asp Asn Gln Asn
275 280 285

Gly Trp Ser Gly Asp Ser Ala Pro Val Glu Leu Ile Leu Ser Asp Glu
290 295 300

Thr Leu Pro Ala Pro Glu Phe Ser Pro Glu Pro Glu Ser Gly Arg Ala
305 310 315 320

Leu Arg Leu Arg Cys Leu Ala Pro Leu Glu Gly Ala Arg Phe Ala Leu
325 330 335

Val Arg Glu Asp Arg Gly Gly Arg Arg Val His Arg Phe Gln Ser Pro
340 345 350

Ala Gly Thr Glu Ala Leu Phe Glu Leu His Asn Ile Ser Val Ala Asp
355 360 365

Ser Ala Asn Tyr Ser Cys Val Tyr Val Asp Leu Lys Pro Pro Phe Gly
370 375 380

Gly Ser Ala Pro Ser Glu Arg Leu Glu Leu His Val Asp Gly Pro Pro
385 390 395 400

Pro Arg Pro Gln Leu Arg Ala Thr Trp Ser Gly Ala Val Leu Ala Gly
405 410 415

Arg Asp Ala Val Leu Arg Cys Glu Gly Pro Ile Pro Asp Val Thr Phe
420 425 430

Glu Leu Leu Arg Glu Gly Glu Thr Lys Ala Val Lys Thr Val Arg Thr
435 440 445

Pro Gly Ala Ala Ala Asn Leu Glu Leu Ile Phe Val Gly Pro Gln His
450 455 460

Ala Gly Asn Tyr Arg Cys Arg Tyr Arg Ser Trp Val Pro His Thr Phe
465 470 475 480

Glu Ser Glu Leu Ser Asp Pro Val Glu Leu Leu Val Ala Glu Ser
485 490 495

<211> 153

<212> PRT

<213> Homo sapiens

<400> 1681

Met	Leu	Lys	Asp	Phe	Ser	Asn	Leu	Leu	Leu	Val	Val	Leu	Cys	Asp	Tyr
1				5					10				15		

Val	Leu	Gly	Glu	Ala	Glu	Tyr	Leu	Leu	Leu	Arg	Glu	Pro	Gly	His	Val
			20				25					30			

Ala	Leu	Ser	Asn	Asp	Thr	Val	Tyr	Val	Asp	Phe	Gln	Tyr	Phe	Asp	Gly
					35			40				45			

Ala	Asn	Gly	Thr	Leu	Arg	Asn	Val	Ser	Val	Leu	Leu	Glu	Ala	Asn	
	50					55				60					

Thr	Asn	Gln	Thr	Val	Thr	Thr	Lys	Tyr	Leu	Leu	Thr	Asn	Gln	Ser	Gln
65				70					75			80			

Gly	Thr	Leu	Lys	Phe	Glu	Cys	Phe	Tyr	Phe	Lys	Glu	Ala	Gly	Asp	Tyr
			85					90			95				

Trp	Phe	Thr	Met	Thr	Pro	Glu	Ala	Thr	Asp	Asn	Ser	Thr	Pro	Phe	Pro
			100					105				110			

Trp	Trp	Glu	Lys	Ser	Ala	Phe	Leu	Lys	Val	Glu	Trp	Pro	Val	Phe	His
		115					120				125				

Val	Asp	Leu	Asn	Arg	Ser	Ala	Lys	Ala	Ala	Glu	Gly	Thr	Phe	Gln	Val
		130				135				140					

Gly	Leu	Phe	Thr	Ser	Gln	Pro	Leu	Cys							
145				150											

<210> 1682

<211> 78

<212> PRT

<213> Homo sapiens

<400> 1682

Ser	Ser	Pro	Thr	Ser	Pro	Lys	Asp	Asn	Tyr	Gln	Arg	Val	Ser	Ser	Leu
1				5					10			15			

Ser	Pro	Ser	Gln	Cys	Arg	Lys	Asp	Lys	Cys	Gln	Ser	Phe	Pro	Thr	His
			20					25				30			

Pro	Glu	Phe	Ala	Phe	Tyr	Asp	Asn	Thr	Ser	Phe	Gly	Leu	Thr	Glu	Ala
			35			40				45					

Glu	Gln	Arg	Met	Leu	Asp	Leu	Pro	Gly	Tyr	Phe	Gly	Ser	Asn	Glu	Glu
			50			55			60						

Asp	Glu	Thr	Thr	Ser	Thr	Leu	Ser	Val	Glu	Lys	Leu	Val	Ile		
65				70				75							

<210> 1683

<211> 490

<212> PRT

<213> Homo sapiens

<400> 1683

Met	Gly	Lys	Asn	Lys	Tyr	Cys	Phe	Asp	Phe	Gly	Ile	Ser	Ser	Arg	Ser
1															
											10				15

His	Phe	Ser	Ala	Lys	Glu	Glu	Cys	Met	Leu	Ile	Gln	Arg	Asn	Thr	Ala
										25					30

Phe	Gln	Pro	Ser	Ser	Pro	Ser	Pro	Leu	Gln	Pro	Gln	Gly	Pro	Val	Lys
										40					45

Ser	Asn	Asn	Ile	Val	Thr	Val	Thr	Gly	Ile	Ser	Leu	Cys	Leu	Phe	Ile
										55					60

Ile	Ile	Ala	Thr	Val	Leu	Ile	Thr	Leu	Trp	Arg	Arg	Phe	Gly	Arg	Pro
										75					80

Ala	Lys	Cys	Ser	Thr	Pro	Ala	Arg	His	Asn	Ser	Ile	His	Ser	Pro	Ser
										85					95

Phe	Arg	Lys	Asn	Ser	Asp	Glu	Glu	Asn	Ile	Cys	Glu	Leu	Ser	Glu	Gln
										100					110

Arg	Gly	Ser	Phe	Ser	Asp	Gly	Gly	Asp	Gly	Pro	Thr	Gly	Ser	Pro	Gly
										115					125

Asp	Thr	Gly	Ile	Pro	Leu	Thr	Tyr	Arg	Arg	Ser	Gly	Pro	Val	Pro	Pro
										130					140

Glu	Asp	Asp	Ala	Ser	Gly	Ser	Glu	Ser	Phe	Gln	Ser	Asn	Ala	Gln	Lys
										145					160

Ile	Ile	Pro	Pro	Leu	Phe	Ser	Tyr	Arg	Leu	Ala	Gln	Gln	Leu	Lys	
										165					175

Glu	Met	Lys	Lys	Lys	Gly	Leu	Thr	Glu	Thr	Thr	Lys	Val	Tyr	His	Val
										180					190

Ser	Gln	Ser	Pro	Leu	Thr	Asp	Thr	Ala	Ile	Asp	Ala	Ala	Pro	Ser	Ala
										195					205

Pro	Leu	Asp	Leu	Glu	Ser	Pro	Glu	Glu	Ala	Ala	Ala	Asn	Lys	Phe	Arg
										210					220

Ile	Lys	Ser	Pro	Phe	Pro	Glu	Gln	Pro	Ala	Val	Ser	Ala	Gly	Glu	Arg
										225					240

Pro	Pro	Ser	Arg	Leu	Asp	Leu	Asn	Val	Thr	Gln	Ala	Ser	Cys	Ala	Ile
										245					255

Ser	Pro	Ser	Gln	Thr	Leu	Ile	Arg	Lys	Ser	Gln	Ala	Arg	His	Val	Gly
										260					270

Ser	Arg	Gly	Gly	Pro	Ser	Glu	Glu	Arg	Ser	His	Ala	Arg	Asn	Ala	His	Phe
										275					285	

Arg Arg Thr Ala Ser Phe His Glu Ala Arg Gln Ala Arg Pro Phe Arg
 290 295 300

 Glu Arg Ser Met Ser Thr Leu Thr Pro Arg Gln Ala Pro Ala Tyr Ser
 305 310 315 320

 Ser Arg Thr Arg Thr Cys Glu Gln Ala Glu Asp Arg Phe Arg Pro Gln
 325 330 335

 Ser Arg Gly Ala His Leu Phe Pro Glu Lys Leu Glu His Phe Gln Glu
 340 345 350

 Ala Ser Gly Thr Arg Gly Pro Leu Asn Pro Leu Pro Lys Ser Tyr Thr
 355 360 365

 Leu Gly Gln Pro Leu Arg Lys Pro Asp Leu Gly Asp His Gln Ala Gly
 370 375 380

 Leu Val Ala Gly Ile Glu Arg Thr Glu Pro His Arg Ala Arg Arg Gly
 385 390 395 400

 Pro Ser Pro Ser His Lys Ser Val Ser Arg Lys Gln Ser Ser Pro Ile
 405 410 415

 Ser Pro Lys Asp Asn Tyr Gln Arg Val Ser Ser Leu Ser Pro Ser Gln
 420 425 430

 Cys Arg Lys Asp Lys Cys Gln Ser Phe Pro Thr His Pro Glu Phe Ala
 435 440 445

 Phe Tyr Asp Asn Thr Ser Phe Gly Leu Thr Glu Ala Glu Gln Arg Met
 450 455 460

 Leu Asp Leu Pro Gly Tyr Phe Gly Ser Asn Glu Glu Asp Glu Thr Thr
 465 470 475 480

 Ser Thr Leu Ser Val Glu Lys Leu Val Ile
 485 490

<210> 1684

<211> 178

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1684

Met Ala Met Val Pro Gly Ala Thr Leu Arg Arg Leu Leu Ser Val Val
 1 5 10 15

Leu Pro Thr Ala Ser Gln Pro Gln Leu Leu Ala Leu Leu Asp Ser Ala
 20 25 30
 Thr Glu Arg His Val Asp His Ala Ala Glu Ser Asp Gly Gly Ala Glu
 35 40 45
 Gln Ala Asp Val Gly Arg Arg Lys His Gln Ser Trp Trp Gln Ala
 50 55 60
 Leu Asp Gly Lys Leu Arg Gly Asp Leu Ile Ser Arg Gly Leu Glu Lys
 65 70 75 80
 Met Leu Trp Ala Arg Lys Arg Lys Gln Ser Ile Leu Lys Lys Thr Cys
 85 90 95
 Leu Pro Leu Arg Glu Arg Met Ile Phe Ser Gly Lys Gly Ser Trp Pro
 100 105 110
 His Leu Ser Leu Glu Pro Ile Gly Glu Leu Xaa Pro Val Pro Ile Val
 115 120 125
 Gly Ala Glu Thr Ile Asp Leu Leu Asn Thr Gly Glu Lys Leu Phe Ile
 130 135 140
 Phe Arg Asn Pro Lys Glu Pro Glu Ile Ser Leu His Val Pro Pro Arg
 145 150 155 160
 Lys Lys Lys Asn Phe Leu Asn Ala Lys Lys Ala Met Arg Ala Xaa Gly
 165 170 175
 Met Asp

<210> 1685
 <211> 200
 <212> PRT
 <213> Homo sapiens

<400> 1685
 Met Ala Met Val Pro Gly Ala Thr Leu Arg Arg Leu Leu Ser Val Val
 1 5 10 15
 Leu Pro Thr Ala Ser Gln Pro Gln Leu Leu Ala Leu Leu Asp Ser Ala
 20 25 30
 Thr Glu Arg His Val Asp His Ala Ala Glu Ser Asp Gly Gly Ala Glu
 35 40 45
 Gln Ala Asp Val Gly Arg Arg Lys His Gln Ser Trp Trp Gln Ala
 50 55 60
 Leu Asp Gly Lys Leu Arg Gly Asp Leu Ile Ser Arg Gly Leu Glu Lys
 65 70 75 80
 Met Leu Trp Ala Arg Lys Arg Lys Gln Ser Ile Leu Lys Lys Thr Cys
 85 90 95
 Leu Pro Leu Arg Glu Arg Met Ile Phe Ser Gly Lys Gly Ser Trp Pro

100

105

110

His Leu Ser Leu Glu Pro Ile Gly Glu Leu Gly Pro Val Pro Ile Val
 115 120 125

Gly Ala Glu Thr Ile Asp Leu Leu Asn Thr Gly Glu Lys Leu Phe Ile
 130 135 140

Phe Arg Asn Pro Lys Glu Pro Glu Ile Ser Leu Thr Phe Leu Gln Glu
 145 150 155 160

Lys Glu Asp Leu Phe Glu Cys Pro Lys Gly His Glu Gly Leu Gly His
 165 170 175

Gly Leu Ala Gln Gly Lys Asp Leu Arg Glu His Met Lys Arg Glu Gly
 180 185 190

Met Ile Phe Ser Cys Pro Pro Val
 195 200

<210> 1686

<211> 419

<212> PRT

<213> Homo sapiens

<400> 1686

Met Ser Cys Ala Gly Arg Ala Gly Pro Ala Arg Leu Ala Ala Leu Ala
 1 5 10 15

Leu Leu Thr Cys Ser Leu Trp Pro Ala Arg Ala Asp Asn Ala Ser Gln
 20 25 30

Glu Tyr Tyr Thr Ala Leu Ile Asn Val Thr Val Gln Glu Pro Gly Arg
 35 40 45

Gly Ala Pro Leu Thr Phe Arg Ile Asp Arg Gly Arg Tyr Gly Leu Asp
 50 55 60

Ser Pro Lys Ala Glu Val Arg Gly Gln Val Leu Ala Pro Leu Pro Leu
 65 70 75 80

His Gly Val Ala Asp His Leu Gly Cys Asp Pro Gln Thr Arg Phe Phe
 85 90 95

Val Pro Pro Asn Ile Lys Gln Trp Ile Ala Leu Leu Gln Arg Gly Asn
 100 105 110

Cys Thr Phe Lys Glu Lys Ile Ser Arg Ala Ala Phe His Asn Ala Val
 115 120 125

Ala Val Val Ile Tyr Asn Asn Lys Ser Lys Glu Glu Pro Val Thr Met
 130 135 140

Thr His Pro Gly Thr Gly Asp Ile Ile Ala Val Met Ile Thr Glu Leu
 145 150 155 160

Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val Gln
 165 170 175

Met Thr Ile Ala Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser Arg
 180 185 190
 Gly Ser Leu Val Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile Ile
 195 200 205
 Ser Ser Ala Trp Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg Tyr Thr
 210 215 220
 Asn Ala Arg Asp Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala Lys Lys
 225 230 235 240
 Ala Ile Ser Lys Leu Thr Thr Arg Thr Val Lys Lys Gly Asp Lys Glu
 245 250 255
 Thr Asp Pro Asp Phe Asp His Cys Ala Val Cys Ile Glu Ser Tyr Lys
 260 265 270
 Gln Asn Asp Val Val Arg Ile Leu Pro Cys Lys His Val Phe His Lys
 275 280 285
 Ser Cys Val Asp Pro Trp Leu Ser Glu His Cys Thr Cys Pro Met Cys
 290 295 300
 Lys Leu Asn Ile Leu Lys Ala Leu Gly Ile Val Pro Asn Leu Pro Cys
 305 310 315 320
 Thr Asp Asn Val Ala Phe Asp Met Glu Arg Leu Thr Arg Thr Gln Ala
 325 330 335
 Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp Asn Ser Leu
 340 345 350
 Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu Pro Gln Asp
 355 360 365
 Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala Val Thr Lys
 370 375 380
 Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala Leu Thr Leu
 385 390 395 400
 Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala Asn Glu Val
 405 410 415
 Glu Trp Phe

<210> 1687
 <211> 419
 <212> PRT
 <213> Homo sapiens

<400> 1687
 Met Ser Cys Ala Gly Arg Ala Gly Pro Ala Arg Leu Ala Ala Leu Ala
 1 5 10 15

Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp Asn Ser Leu
 340 345 350

Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu Pro Gln Asp
 355 360 365

Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala Val Thr Lys
 370 375 380

Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala Leu Thr Leu
 385 390 395 400

Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala Asn Glu Val
 405 410 415

Glu Trp Phe

<210> 1688

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1688

Met Ala Phe Ser Lys Leu Leu Glu Gln Ala Gly Gly Val Gly Leu Phe
 1 5 10 15Gln Thr Leu Gln Val Leu Thr Phe Ile Leu Pro Cys Leu Met Ile Pro
 20 25 30Ser Gln Met Leu Leu Glu Asn Phe Ser Ala Ala Ile Pro Gly His Arg
 35 40 45Cys Trp Thr His Met Leu Asp Asn Gly Ser Ala Val Ser Thr Asn Met
 50 55 60Thr Pro Lys Ala Leu Leu Thr Ile Ser Ile Pro Pro Gly Pro Asn Gln
 65 70 75 80Gly Pro His Gln Cys Arg Arg Phe Arg Gln Pro Gln Trp Gln Leu Leu
 85 90 95Asp Pro Asn Ala Thr Ala Thr Ser Trp Ser Glu Ala Asp Thr Glu Pro
 100 105 110Cys Val Asp Gly Trp Val Tyr Xaa Arg Arg Ser Ser Pro Pro Pro Ser
 115 120 125

Trp Pro Ser Gly Thr Trp Cys Ala Ala Pro Arg Leu Glu Xaa Pro
 130 135 140

<210> 1689

<211> 515

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1689

Met Ala Phe Ser Lys Leu Leu Glu Gln Ala Gly Gly Val Gly Leu Phe
 1 5 10 15

Gln Thr Leu Gln Val Leu Thr Phe Ile Leu Pro Cys Leu Met Ile Pro
 20 25 30

Ser Gln Met Leu Leu Glu Asn Phe Ser Ala Ala Ile Pro Gly His Arg
 35 40 45

Cys Trp Thr His Met Leu Asp Asn Gly Ser Ala Val Ser Thr Asn Met
 50 55 60

Thr Pro Lys Ala Leu Leu Thr Ile Ser Ile Pro Pro Gly Pro Asn Gln
 65 70 75 80

Gly Pro His Gln Cys Arg Arg Phe Arg Gln Pro Gln Trp Gln Leu Leu
 85 90 95

Asp Pro Asn Ala Thr Ala Thr Ser Trp Ser Glu Ala Asp Thr Glu Pro
 100 105 110

Cys Val Asp Gly Trp Val Tyr Asp Arg Ser Val Phe Thr Ser Thr Ile
 115 120 125

Val Ala Lys Trp Asp Leu Val Cys Ser Ser Gln Gly Leu Lys Pro Leu
 130 135 140

Xaa Gln Ser Ile Phe Met Xaa Gly Ile Leu Val Gly Ser Phe Ile Trp
 145 150 155 160

Gly Leu Leu Ser Tyr Arg Phe Xaa Arg Lys Pro Met Leu Ser Trp Cys
 165 170 175

Cys Leu Gln Leu Ala Val Ala Gly Thr Ser Thr Ile Phe Ala Pro Thr

180

185

190

Phe Val Ile Tyr Cys Gly Leu Arg Phe Val Ala Ala Phe Gly Met Ala
 195 200 205

Gly Ile Phe Leu Ser Ser Leu Thr Leu Met Val Glu Trp Thr Thr Thr
 210 215 220

Ser Arg Arg Ala Val Thr Met Thr Val Val Gly Cys Ala Phe Ser Ala
 225 230 235 240

Gly Gln Ala Ala Leu Gly Gly Leu Ala Phe Ala Leu Arg Asp Trp Arg
 245 250 255

Thr Leu Gln Leu Ala Ala Ser Val Pro Phe Phe Ala Ile Ser Leu Ile
 260 265 270

Ser Trp Trp Leu Pro Glu Ser Ala Arg Trp Leu Ile Ile Lys Gly Lys
 275 280 285

Pro Asp Gln Ala Leu Gln Glu Leu Arg Lys Val Ala Arg Ile Asn Gly
 290 295 300

His Lys Glu Ala Lys Asn Leu Thr Ile Glu Val Leu Met Ser Ser Val
 305 310 315 320

Lys Glu Glu Val Ala Ser Ala Lys Glu Pro Arg Ser Val Leu Asp Leu
 325 330 335

Phe Cys Val Pro Val Leu Arg Trp Arg Ser Cys Ala Met Leu Val Val
 340 345 350

Asn Phe Ser Leu Leu Ile Ser Tyr Tyr Gly Leu Val Phe Asp Leu Gln
 355 360 365

Ser Leu Gly Arg Asp Ile Phe Leu Leu Gln Ala Leu Phe Gly Ala Val
 370 375 380

Asp Phe Leu Gly Arg Ala Thr Thr Ala Leu Leu Leu Ser Phe Leu Gly
 385 390 395 400

Arg Arg Thr Ile Gln Ala Gly Ser Gln Ala Met Gly Gly Leu Ala Ile
 405 410 415

Leu Ala Asn Met Leu Val Pro Gln Val Arg Met Thr Ala Asp Gly Ile
 420 425 430

Leu His Thr Val Gly Arg Leu Gly Ala Met Met Gly Pro Leu Ile Leu
 435 440 445

Met Ser Arg Gln Ala Leu Pro Leu Leu Pro Pro Leu Leu Tyr Gly Val
 450 455 460

Ile Ser Ile Ala Ser Ser Leu Val Val Leu Phe Phe Leu Pro Glu Thr
 465 470 475 480

Gln Gly Leu Pro Leu Pro Asp Thr Ile Gln Asp Leu Glu Ser Gln Lys
 485 490 495

Ser Thr Ala Ala Gln Gly Asn Arg Gln Glu Ala Val Thr Val Glu Ser

500

505

510

Thr Ser Leu
515

<210> 1690
<211> 88
<212> PRT
<213> Homo sapiens

<400> 1690
Met Asp Trp Trp Phe Leu Ala Ile Ala Met Ala Leu Leu Trp Leu Thr
1 5 10 15

Thr Ser Arg Lys Gln Cys Cys Ser Thr Trp Ala Leu Leu Asn Tyr Met
20 25 30

Ala Leu Met Ile Leu Ile Gly Glu Asn Pro Asp Leu Leu Val Asn Leu
35 40 45

Asp Ser Leu Gln Glu Pro Val Cys Val Ile Leu Val Lys Gly Leu Leu
50 55 60

Phe Gln Arg Ile Ala Ala Asn Leu Gln Pro Leu Val Leu His His His
65 70 75 80

Thr Ile Gln Met Met Asn Lys Lys
85

<210> 1691
<211> 81
<212> PRT
<213> Homo sapiens

<400> 1691
Met Asp Trp Trp Phe Leu Ala Ile Ala Met Ala Leu Leu Trp Leu Thr
1 5 10 15

Thr Ser Arg Lys Gln Cys Cys Ser Thr Trp Ala Leu Leu Asn Tyr Met
20 25 30

Ala Leu Met Ile Leu Ile Gly Glu Asn Pro Asp Leu Leu Val Asn Leu
35 40 45

Asp Ser Leu Gln Glu Pro Val Cys Val Ile Leu Val Lys Gly Leu Leu
50 55 60

Phe Gln Arg Ile Ala Ala Asn Leu Gln Pro Leu Gln Arg Cys Gln Gly
65 70 75 80

Ser

<210> 1692

<211> 462

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (204)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (292)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (303)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1692

Met Val Asp Tyr Leu Gln Lys Ala Val Leu Leu Asn Leu Gly Thr Ile
1 5 10 15

Glu Leu Tyr Gly Ser Asn Asp Pro Tyr Arg Arg Glu Pro Arg Ser Pro
20 25 30

Arg Lys Ser Arg Gln Pro Ser Gly Ala Gly Leu Cys Asp Ile Ser Glu
35 40 45

Gly Thr Val Val Pro Glu Asp Arg Cys Lys Ser Pro Thr Ser Ala Lys
50 55 60

Met Ser Arg Lys Leu Ser Leu Pro Thr Asp Leu Lys Pro Asp Leu Asp
65 70 75 80

Val Lys Asp Asn Ser Phe Ser Arg Ser Arg Ser Ser Val Thr Ser
85 90 95

Ile Asp Lys Glu Ser Arg Glu Ala Ile Ser Ala Leu His Phe Cys Glu
100 105 110

Thr Phe Thr Arg Lys Thr Asp Ser Ser Pro Ser Pro Cys Leu Trp Val
115 120 125

Gly Thr Thr Leu Gly Thr Val Leu Val Ile Ala Leu Asn Leu Pro Pro
130 135 140

Gly Gly Glu Xaa Xaa Leu Leu Gln Pro Val Ile Val Ser Pro Ser Gly
145 150 155 160

<211> 112

<212> PRT

<213> Homo sapiens

<400> 1693

Met	Leu	Ile	Ser	Gly	Trp	Ala	Arg	Trp	Leu	Met	Pro	Leu	Val	Pro	Ala
1					5				10					15	

Leu	Trp	Glu	Ala	Glu	Ala	Gly	Glu	Ser	Gly	Val	Gln	Asp	Gln	Pro	Gly
		20					25				30				

Gln	Cys	Gly	Glu	Thr	Leu	Ser	Leu	Leu	Lys	Ile	Lys	Lys	Lys	Lys	
		35					40			45					

Lys	Lys	Trp	Leu	Ile	Ser	Glu	Ser	Tyr	Ser	Gly	Leu	Asn	Ser	Val	Ile
		50				55				60					

Gln	Pro	Lys	Leu	Ile	Thr	Leu	Cys	Tyr	Leu	Trp	Glu	Pro	His	Leu	Lys
	65				70				75			80			

Ser	Lys	Asp	Pro	Asp	Thr	Cys	Leu	Ile	Leu	Trp	Gln	Gly	Ser	Asn	Glu
		85					90				95				

Ser	Asn	Lys	Met	Leu	Val	Lys	Val	Arg	Thr	Gly	Ser	Ile	Leu	Asn	Thr
		100					105				110				

<210> 1694

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1694

Met	Gly	Leu	Gln	Ser	Arg	Leu	Ser	Gln	Pro	Cys	His	Cys	Arg	His	Leu
1					5				10				15		

Gly	Leu	Gly	Asn	Ser	Val	Val	Gly	Thr	Val	Leu	Phe	Leu	Val	Gly	Cys
			20					25				30			

Leu	Val	Ala	Ser	Leu	Pro	Pro	Thr	Arg	Cys	Gln	Xaa	His	Cys	Ser
							35		40		45			

Pro	Gln	Pro	Pro	Ala	Pro	Val	Val	Thr	Ile	Val	Ser	Lys	His	Cys	Gln
							50		55		60				

Met	Val	Gln	Gly	Lys	Gly	Lys	Ile	Ala	Pro	Val	Xaa	Lys	Ser	Thr	Ala

65

70

75

80

Val Lys

<210> 1695

<211> 82

<212> PRT

<213> Homo sapiens

<400> 1695

Met	Gly	Leu	Gln	Ser	Arg	Leu	Ser	Gln	Pro	Cys	His	Cys	Arg	His	Leu
1															15

Gly	Leu	Gly	Asn	Ser	Val	Val	Gly	Thr	Val	Leu	Phe	Leu	Val	Gly	Cys
															30
					20				25						

Leu	Val	Ala	Ser	Leu	Pro	Pro	Pro	Thr	Arg	Cys	Gln	Gly	His	Cys	Ser
															45
					35			40							

Pro	Gln	Pro	Pro	Ala	Pro	Val	Val	Thr	Ile	Val	Ser	Lys	His	Cys	Gln
															60
					50			55							

Met	Val	Gln	Gly	Lys	Gly	Lys	Ile	Ala	Pro	Val	Glu	Lys	Ser	Thr	Ala
															80
					65			70			75				

Val Lys

<210> 1696

<211> 193

<212> PRT

<213> Homo sapiens

<400> 1696

Met	Gln	Leu	Gly	Thr	Leu	Leu	Thr	Phe	Phe	His	Glu	Leu	Val	Gln	Thr
1															15
					5				10						

Ala	Leu	Pro	Ser	Gly	Ser	Cys	Val	Asp	Thr	Leu	Leu	Lys	Asp	Leu	Cys
															30
					20			25							

Lys	Met	Tyr	Thr	Thr	Leu	Thr	Ala	Leu	Val	Arg	Tyr	Tyr	Leu	Gln	Val
															45
					35			40							

Cys	Gln	Ser	Ser	Gly	Gly	Ile	Pro	Lys	Asn	Met	Glu	Lys	Leu	Val	Lys
															60
					50			55							

Leu	Ser	Gly	Ser	His	Leu	Thr	Pro	Leu	Cys	Tyr	Ser	Phe	Ile	Ser	Tyr
65															80
					70				75						

Val	Gln	Asn	Lys	Ser	Lys	Ser	Leu	Asn	Tyr	Thr	Gly	Glu	Lys	Lys	Glu
															95
					85			90							

Lys	Pro	Ala	Ala	Val	Ala	Thr	Ala	Met	Ala	Arg	Val	Leu	Arg	Glu	Thr
															110
					100			105							

Lys Pro Ile Pro Asn Leu Ile Phe Ala Ile Glu Gln Tyr Glu Lys Phe
 115 120 125

Leu Ile His Leu Ser Lys Lys Ser Lys Val Asn Leu Met Gln His Met
 130 135 140

Lys Leu Ser Thr Ser Arg Asp Phe Lys Ile Lys Gly Asn Ile Leu Asp
 145 150 155 160

Met Val Leu Arg Glu Asp Gly Glu Asp Glu Asn Glu Glu Gly Thr Ala
 165 170 175

Ser Glu His Gly Gly Gln Asn Lys Glu Pro Ala Lys Lys Lys Arg Lys
 180 185 190

Lys

<210> 1697

<211> 193

<212> PRT

<213> Homo sapiens

<400> 1697

Met Gln Leu Gly Thr Leu Leu Thr Phe Phe His Glu Leu Val Gln Thr
 1 5 10 15

Ala Leu Pro Ser Gly Ser Cys Val Asp Thr Leu Leu Lys Asp Leu Cys
 20 25 30

Lys Met Tyr Thr Thr Leu Thr Ala Leu Val Arg Tyr Tyr Leu Gln Val
 35 40 45

Cys Gln Ser Ser Gly Gly Ile Pro Lys Asn Met Glu Lys Leu Val Lys
 50 55 60

Leu Ser Gly Ser His Leu Thr Pro Leu Cys Tyr Ser Phe Ile Ser Tyr
 65 70 75 80

Val Gln Asn Lys Ser Lys Ser Leu Asn Tyr Thr Gly Glu Lys Lys Glu
 85 90 95

Lys Pro Ala Ala Val Ala Thr Ala Met Ala Arg Val Leu Arg Glu Thr
 100 105 110

Lys Pro Ile Pro Asn Leu Ile Phe Ala Ile Glu Gln Tyr Glu Lys Phe
 115 120 125

Leu Ile His Leu Ser Lys Lys Ser Lys Val Asn Leu Met Gln His Met
 130 135 140

Lys Leu Ser Thr Ser Arg Asp Phe Lys Ile Lys Gly Asn Ile Leu Asp
 145 150 155 160

Met Val Leu Arg Glu Asp Gly Glu Asp Glu Asn Glu Glu Gly Thr Ala
 165 170 175

Ser Glu His Gly Gly Gln Asn Lys Glu Pro Ala Lys Lys Lys Arg Lys

1069

180

185

190

Lys

<210> 1698

<211> 22

<212> PRT

<213> Homo sapiens

<400> 1698

Met	Val	Cys	Asp	Ser	Leu	Pro	Arg	His	Asp	Phe	His	Pro	Ala	Arg	Leu
1															15

5

10

His	Pro	Thr	Arg	Phe	Leu
					20

<210> 1699

<211> 271

<212> PRT

<213> Homo sapiens

<400> 1699

Met	Leu	Ser	Glu	Lys	His	Leu	Ile	Ser	Val	Cys	Ala	Asp	Asn	Asn	His
1															15

5

10

Val	Arg	Thr	Trp	Ser	Val	Thr	Arg	Phe	Arg	Gly	Met	Ile	Ser	Thr	Gln
															30

20

25

30

Pro	Gly	Ser	Thr	Pro	Leu	Ala	Ser	Phe	Lys	Ile	Leu	Ala	Leu	Glu	Ser
															45

35

40

45

Ala	Asp	Gly	His	Gly	Gly	Cys	Ser	Ala	Gly	Asn	Asp	Ile	Gly	Pro	Tyr
															60

50

55

60

Gly	Glu	Arg	Asp	Asp	Gln	Gln	Val	Phe	Ile	Gln	Lys	Val	Val	Pro	Ser
															80

65

70

75

80

Ala	Ser	Gln	Leu	Phe	Val	Arg	Leu	Ser	Ser	Thr	Gly	Gln	Arg	Val	Cys
															95

85

90

95

Ser	Val	Arg	Ser	Val	Asp	Gly	Ser	Pro	Thr	Thr	Ala	Phe	Thr	Val	Leu
															110

100

105

110

Glu	Cys	Glu	Gly	Ser	Arg	Arg	Leu	Gly	Ser	Arg	Pro	Arg	Arg	Tyr	Leu
															125

115

120

125

Leu	Thr	Gly	Gln	Ala	Asn	Gly	Ser	Leu	Ala	Met	Trp	Asp	Leu	Thr	Thr
															140

130

135

140

Ala	Met	Asp	Gly	Leu	Gly	Gln	Ala	Pro	Ala	Gly	Gly	Leu	Thr	Glu	Gln
															160

145

150

155

Glu	Leu	Met	Glu	Gln	Leu	Glu	His	Cys	Glu	Leu	Ala	Pro	Pro	Ala	Pro
															175

165

170

175

Ser Ala Pro Ser Trp Gly Cys Leu Pro Ser Pro Ser Pro Arg Ile Ser
 180 185 190
 Leu Thr Ser Leu His Ser Ala Ser Ser Asn Thr Ser Leu Ser Gly His
 195 200 205
 Arg Gly Ser Pro Ser Pro Pro Gln Ala Glu Ala Arg Arg Arg Gly Gly
 210 215 220
 Gly Ser Phe Val Glu Arg Cys Gln Glu Leu Val Arg Ser Gly Pro Asp
 225 230 235 240
 Leu Arg Arg Pro Pro Thr Pro Ala Pro Trp Pro Ser Ser Gly Leu Gly
 245 250 255
 Thr Pro Leu Thr Pro Pro Lys Met Lys Leu Asn Glu Thr Ser Phe
 260 265 270

<210> 1700

<211> 148

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1700

Met Arg Ser Ser Cys Val Leu Leu Thr Ala Leu Val Ala Leu Ala Ala
 1 5 10 15

Tyr Tyr Val Tyr Ile Pro Leu Pro Gly Ser Val Ser Asp Pro Trp Lys
 20 25 30

Leu Met Leu Leu Asp Ala Thr Phe Arg Gly Ala Gln Gln Val Ser Asn
 35 40 45

Leu Ile His Tyr Leu Gly Leu Ser His His Leu Leu Ala Leu Asn Phe
 50 55 60

Ile Ile Val Ser Phe Gly Xaa Lys Ser Ala Trp Ser Ser Ala Gln Val
 65 70 75 80

Lys Val Thr Asp Thr Asp Phe Asp Gly Val Glu Val Arg Val Phe Glu
 85 90 95

Gly Pro Pro Lys Pro Glu Glu Pro Leu Lys Arg Ser Val Val Tyr Ile
 100 105 110

His Gly Gly Gly Trp Ala Leu Ala Ser Ala Lys Ile Xaa Tyr Tyr Asp
 115 120 125

Glu Leu Cys Thr Ala Met Ala Glu Glu Leu Asn Ala Ala Leu Phe Pro
 130 135 140
 Leu Asn Thr Gly
 145

<210> 1701
<211> 148
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1701
Met Arg Ser Ser Cys Val Leu Leu Thr Ala Leu Val Ala Leu Ala Ala
 1 5 10 15

Tyr Tyr Val Tyr Ile Pro Leu Pro Gly Ser Val Ser Asp Pro Trp Lys
 20 25 30

Leu Met Leu Leu Asp Ala Thr Phe Arg Gly Ala Gln Gln Val Ser Asn
 35 40 45

Leu Ile His Tyr Leu Gly Leu Ser His His Leu Leu Ala Leu Asn Phe
 50 55 60

Ile Ile Val Ser Phe Gly Xaa Lys Ser Ala Trp Ser Ser Ala Gln Val
 65 70 75 80

Lys Val Thr Asp Thr Asp Phe Asp Gly Val Glu Val Arg Val Phe Glu
 85 90 95

Gly Pro Pro Lys Pro Glu Glu Pro Leu Lys Arg Ser Val Val Tyr Ile
 100 105 110

His Gly Gly Gly Trp Ala Leu Ala Ser Ala Lys Ile Xaa Tyr Tyr Asp
 115 120 125

Glu Leu Cys Thr Ala Met Ala Glu Glu Leu Asn Ala Ala Leu Phe Pro
 130 135 140

Leu Asn Thr Gly
 145

<210> 1702
<211> 408
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (223)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1702

Met	Arg	Ser	Ser	Cys	Val	Leu	Leu	Thr	Ala	Leu	Val	Ala	Leu	Ala
1				5				10					15	

Tyr	Tyr	Val	Tyr	Ile	Pro	Leu	Pro	Gly	Ser	Val	Ser	Asp	Pro	Trp	Lys
		20				25						30			

Leu	Met	Leu	Leu	Asp	Ala	Thr	Phe	Arg	Gly	Ala	Gln	Gln	Val	Ser	Asn
		35				40					45				

Leu	Ile	His	Tyr	Leu	Gly	Leu	Ser	His	His	Leu	Leu	Ala	Leu	Asn	Phe
	50				55					60					

Ile	Ile	Val	Ser	Phe	Gly	Gln	Lys	Ser	Ala	Trp	Ser	Ser	Ala	Gln	Val
65				70				75					80		

Lys	Val	Thr	Asp	Thr	Asp	Phe	Asp	Gly	Val	Glu	Val	Arg	Val	Phe	Glu
		85				90				95					

Gly	Pro	Pro	Lys	Pro	Glu	Glu	Pro	Leu	Lys	Arg	Ser	Val	Val	Tyr	Ile
		100				105			110						

His	Gly	Gly	Gly	Trp	Ala	Leu	Ala	Ser	Ala	Lys	Ile	Ser	Tyr	Tyr	Asp
		115				120				125					

Glu	Leu	Cys	Thr	Ala	Met	Ala	Glu	Glu	Leu	Asn	Ala	Val	Ile	Val	Ser
		130			135				140						

Ile	Glu	Tyr	Arg	Leu	Val	Pro	Lys	Val	Tyr	Phe	Pro	Glu	Gln	Ile	His
145				150				155				160			

Asp	Val	Val	Arg	Ala	Thr	Lys	Tyr	Phe	Leu	Lys	Pro	Glu	Val	Leu	Gln
		165				170				175					

Lys	Tyr	Met	Val	Asp	Pro	Gly	Arg	Ile	Cys	Ile	Ser	Gly	Asp	Ser	Ala
			180			185				190					

Gly	Gly	Asn	Leu	Ala	Ala	Leu	Gly	Gln	Gln	Phe	Thr	Gln	Asp	Ala	
		195			200				205						

Ser	Leu	Lys	Asn	Lys	Leu	Lys	Leu	Gln	Ala	Leu	Ile	Tyr	Pro	Xaa	Leu
		210			215				220						

Gln	Ala	Leu	Asp	Phe	Asn	Thr	Pro	Ser	Tyr	Gln	Gln	Asn	Val	Asn	Thr
225			230			235			240						

Pro	Ile	Leu	Pro	Arg	Tyr	Val	Met	Val	Lys	Tyr	Trp	Val	Asp	Tyr	Phe
		245				250			255						

Lys	Gly	Asn	Tyr	Asp	Phe	Val	Gln	Ala	Met	Ile	Val	Asn	Asn	His	Thr
		260			265				270						

Ser	Leu	Asp	Val	Glu	Glu	Ala	Ala	Ala	Val	Arg	Ala	Arg	Leu	Asn	Trp
		275			280				285						

Thr Ser Leu Leu Pro Ala Ser Phe Thr Lys Asn Tyr Lys Pro Val Val
 290 295 300
 Gln Thr Thr Gly Asn Ala Arg Ile Val Gln Glu Leu Pro Gln Leu Leu
 305 310 315 320
 Asp Ala Arg Ser Ala Pro Leu Ile Ala Asp Gln Ala Val Leu Gln Leu
 325 330 335
 Leu Pro Lys Thr Tyr Ile Leu Thr Cys Glu His Asp Val Leu Arg Asp
 340 345 350
 Asp Gly Ile Met Tyr Ala Lys Arg Leu Glu Ser Ala Gly Val Glu Val
 355 360 365
 Thr Leu Asp His Phe Glu Asp Gly Phe His Gly Cys Met Ile Phe Thr
 370 375 380
 Ser Trp Pro Thr Asn Phe Ser Val Gly Ile Arg Thr Arg Asn Ser Tyr
 385 390 395 400
 Ile Lys Trp Leu Asp Gln Asn Leu
 405

<210> 1703

<211> 88

<212> PRT

<213> Homo sapiens

<400> 1703

Met Met Phe Cys Phe Val Leu Phe Leu Arg Trp Ser Leu Ala Leu Leu
 1 5 10 15

Pro Gly Trp Leu Ala Val Ala Arg Ser Arg Leu Thr Ala Ile Ser Cys
 20 25 30

Phe Leu Gly Leu Ser Asp Ser Pro Ala Leu Ala Ser Arg Val Ala Gly
 35 40 45

Thr Thr Gly Ala His His Ala Arg Leu Val Phe Cys Ile Leu Val
 50 55 60

Glu Thr Val Ser Pro Cys Trp Pro Gly Trp Ser Arg Ser Pro Asp Phe
 65 70 75 80

Val Ile Cys Leu Pro Gln Thr Pro
 85

<210> 1704

<211> 88

<212> PRT

<213> Homo sapiens

<400> 1704

Met Met Phe Cys Phe Val Leu Phe Leu Arg Trp Ser Leu Ala Leu Leu

1	5	10	15
Pro Gly Trp Leu Ala Val Ala Arg Ser Arg Leu Thr Ala Ile Ser Cys			
20	25	30	
Phe Leu Gly Leu Ser Asp Ser Pro Ala Leu Ala Ser Arg Val Ala Gly			
35	40	45	
Thr Thr Gly Ala His His His Ala Arg Leu Val Phe Cys Ile Leu Val			
50	55	60	
Glu Thr Val Ser Pro Cys Trp Pro Gly Trp Ser Arg Ser Pro Asp Phe			
65	70	75	80
Val Ile Cys Leu Pro Gln Thr Pro			
	85		

<210> 1705

<211> 94

<212> PRT

<213> Homo sapiens

<400> 1705

Met Ile Gly Tyr Arg Leu Cys Leu His Leu Leu Ser Leu Leu Gly Phe			
1	5	10	15

Gln Pro Leu Pro Met Gly Leu Cys Arg Val Arg Glu Gln Lys Phe Lys			
20	25	30	

Gln Phe Ser Gly Leu Ser His Phe Ser Phe Arg Ile Ser Pro Val Thr			
35	40	45	

Phe Pro Ser Tyr Val His Ala Asp Ser Gln Pro Thr Arg Asp Lys Trp			
50	55	60	

Val Pro Trp Asp Leu Ser Ser Phe Thr Cys Met Cys Ala Glu Ala Ser			
65	70	75	80

Lys Ser Ala Arg Asn Val Trp Thr Ala Leu Gln Thr Pro Leu			
85	90		

<210> 1706

<211> 61

<212> PRT

<213> Homo sapiens

<400> 1706

Ser Gln His Phe Gly Arg Pro Arg Trp Lys Asp Cys Leu Lys Pro Gly			
1	5	10	15

Val Arg Asp Gln Pro Gly Gln His Ser Lys Thr Pro Ser Leu Cys Lys			
20	25	30	

Lys Lys Gly Ile Ile Leu Tyr Phe Leu Leu Ile Arg Phe Ile Cys Val			
35	40	45	

Ser Asn Leu His Leu Gln Phe Asp Phe Phe Ser Asp Leu
 50 55 60

<210> 1707

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1707

Val Ile Phe Phe Phe Phe Ser Cys Arg Glu Arg Val Cys Val Ala
 1 5 10 15

Gln Ala Gly Leu Asn Phe Met Ala Ser Ser Tyr Ser Ala Ser Ala Ser
 20 25 30

Arg Ser Ala Gly Asn Ile Gly Met Ser His His Thr Gln Pro Leu Cys
 35 40 45

Leu Leu Ser Phe Ser Ile Ile Ile Asn Leu Phe Met Phe Ile His Ser
 50 55 60

Pro Val Asp Glu Xaa Leu Gly Cys Phe Gln Phe Trp Ala Val Thr Asn
 65 70 75 80

Lys Ala Pro Gly Asn Ile Cys Val Gln Lys Lys Lys Lys Lys Lys
 85 90 95

Lys Lys Lys Lys Lys
 100

<210> 1708

<211> 123

<212> PRT

<213> Homo sapiens

<400> 1708

Met Ala Trp Pro Asn Val Phe Gln Arg Gly Ser Leu Leu Ser Gln Phe
 1 5 10 15

Ser His His His Val Val Val Phe Leu Leu Thr Phe Phe Ser Tyr Ser
 20 25 30

Leu Leu His Ala Ser Arg Lys Thr Phe Ser Asn Val Lys Val Ser Ile
 35 40 45

Ser Glu Gln Trp Thr Pro Ser Ala Phe Asn Thr Ser Val Glu Leu Pro
 50 55 60

Leu Glu Ile Trp Ser Ser Asn His Leu Phe Pro Ser Ala Glu Lys Ala
 65 70 75 80

Thr Leu Phe Leu Gly Thr Leu Asp Thr Ile Phe Leu Phe Ser Tyr Ala
 85 90 95

Val Gly Leu Phe Ile Ser Gly Ile Val Gly Asp Arg Leu Asn Leu Arg
 100 105 110

Trp Val Leu Leu Leu Ala Cys Ala Leu Leu His
 115 120

<210> 1709

<211> 160

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1709

Leu Pro Asn Cys Tyr Leu Xaa Asp Thr Ile Glu Gly Thr Pro Ala Gly
 1 5 10 15

Thr Gly Pro Glu Phe Ala Ala Ala Ser Thr Ser Leu Lys Glu Cys Arg
 20 25 30

Ala Val Ile Ile Ala Ser Arg Gly Gln Pro Val Trp Pro Ala Leu Leu
 35 40 45

Asp Val His Ala Val Asp Asp Phe Val Val Ser Cys Asn Leu Ala His
 50 55 60

Arg Arg Ala Thr Ile Pro Glu Glu Asp Cys Ser Lys Leu Leu Pro Ser
 65 70 75 80

Phe Pro Asp His Gly Asp Pro Leu Thr Val Phe Ser Pro Ser Asn Val
 85 90 95

Phe Asp Leu Pro Ser Glu Arg Leu Val Leu Ile Leu Gln Gln Val Leu
 100 105 110

Leu Leu Arg Gly Ile Pro Asp Pro Gln Leu Pro Arg His Ile Ser Gly
 115 120 125

Gly Asn Val Glu Ser Ala Gly Arg Ile Leu Gly His His His Leu Met
 130 135 140

Gly Val Leu Cys Val Asp Val Ser Lys Gly Trp Val Val Asp Val Pro
 145 150 155 160

<210> 1710

<211> 21

<212> PRT

<213> Homo sapiens

<400> 1710

His	His	His	Leu	Met	Gly	Val	Leu	Cys	Val	Asp	Val	Ser	Lys	Gly	Trp
1															
			5					10							15

Val	Val	Asp	Val	Pro
			20	

<210> 1711

<211> 185

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1711

Met	Ala	Trp	Pro	Asn	Val	Phe	Gln	Arg	Gly	Ser	Leu	Leu	Ser	Gln	Phe
1															
			5					10							15

Ser	His	His	His	Val	Val	Phe	Leu	Leu	Thr	Phe	Phe	Ser	Tyr	Ser
			20				25					30		

Leu	Leu	His	Ala	Ser	Arg	Lys	Thr	Phe	Ser	Asn	Val	Lys	Val	Ser	Ile
			35				40					45			

Ser	Glu	Gln	Trp	Thr	Pro	Ser	Ala	Phe	Asn	Thr	Ser	Val	Glu	Leu	Pro
	50				55					60					

Leu	Glu	Ile	Trp	Ser	Ser	Asn	His	Leu	Phe	Pro	Ser	Ala	Glu	Lys	Ala
	65			70				75					80		

Thr	Leu	Phe	Leu	Gly	Thr	Leu	Asp	Thr	Ile	Phe	Leu	Phe	Ser	Tyr	Ala
	85							90					95		

Val	Gly	Leu	Phe	Ile	Ser	Gly	Ile	Val	Gly	Asp	Arg	Leu	Asn	Leu	Arg
	100							105					110		

Trp	Val	Leu	Ser	Phe	Gly	Met	Cys	Ser	Ser	Ala	Leu	Val	Val	Phe	Val
	115					120						125			

Phe	Gly	Ala	Leu	Thr	Glu	Trp	Leu	Arg	Phe	Tyr	Asn	Lys	Trp	Leu	Tyr
	130				135						140				

Cys	Cys	Leu	Trp	Ile	Val	Asn	Gly	Leu	Leu	Gln	Ser	Thr	Gly	Trp	Pro
	145					150				155			160		

Cys	Val	Xaa	Ala	Val	Met	Gly	Asn	Trp	Phe	Gly	Lys	Ala	Gly	Tyr	Ala
	165							170				175			

Thr	Ser	Phe	Leu	Ser	Asn	Phe	Ser	Val
	180					185		

<210> 1712
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1712
Met Arg Val Ser Cys Ser Arg Ser Cys Cys Ser Leu Xaa Xaa Ile Ser
1 5 10 15

Leu Ser Leu Arg Leu Val Ala Ser Cys Leu Pro Cys Cys Leu Cys Leu
20 25 30

Ser Ala Ala Pro Arg Met Gln Glu Glu Pro Gly His Leu Arg Pro Ser
35 40 45

Arg Ala Arg Pro Leu Glu Gly Pro Ser Trp Asp Ser Pro Ser Leu Ala
50 55 60

Pro Pro Ala Ser Ala Gln Arg Pro Leu Pro Pro Pro Val Ser Arg Ile
65 70 75 80

Leu Pro Ala Thr Ser Gly Arg Ala Gly Arg Trp Cys Gly Trp Ala Pro
85 90 95

Cys Pro Lys Thr Ala Ala
100

<210> 1713
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1713
Val Trp Ala Arg Trp Pro Met Leu Ser Ile Pro Ala Ala Gln Gly Gly
1 5 10 15

Arg Leu Leu Glu Pro Lys His Ser Arg Leu Ala Trp Glu Thr Xaa Gln
20 25 30

Asp Pro Val Ser Thr Lys Thr Phe Lys Met Ser Gln Val Ala Gly Cys
35 40 45

Gly Gly Ser Cys Leu

50

<210> 1714

<211> 173

<212> PRT

<213> Homo sapiens

<400> 1714

Met	Leu	Gln	Pro	Ala	Pro	Tyr	Lys	Pro	Leu	Pro	Glu	Val	Gly	Gly	Leu
1									10						15

Leu	Ser	Ser	Leu	Leu	Pro	Leu	Pro	Leu	Cys	Ser	Pro	Gln	Asp	Ala	Gly
									25					30	

Gly	Ala	Trp	Thr	Pro	Ser	Ala	Gln	Ser	Gly	Gln	Ala	Ser	Gly	Arg	Pro
									35					45	

Phe	Met	Gly	Leu	Ser	Ile	Leu	Gly	Pro	Ala	Gly	Leu	Arg	Pro	Thr	Ser
									50					60	

Ser	Ser	Ser	Ser	Phe	Pro	Tyr	Pro	Ser	Arg	His	Phe	Gly	Gln	Gly
									65					80

Trp	Glu	Val	Val	Arg	Met	Gly	Ala	Met	Pro	Gln	Asn	Ser	Ser	Leu	Ser
									85					95	

Thr	Ala	Val	Pro	Ser	Gly	Met	Gly	Asp	Gly	Cys	Gln	Val	Phe	Trp	Pro
								100					110		

Pro	Ala	Pro	Cys	Arg	Ser	Gln	Leu	Ser	Pro	Pro	Ala	Ser	Gly	Ser	Phe
								115					125		

Pro	Leu	Phe	Ser	Pro	Leu	Gln	Ala	Pro	Pro	Ser	Pro	Ser	Ser	Asp	Pro
								130					140		

Ala	Gln	Ala	Pro	Gly	Ser	Cys	Gly	Ser	Ser	Ser	Gln	Pro	Arg	His	Ala
								145				155		160	

Pro	Cys	Ser	Pro	Pro	Leu	Pro	Leu	Ala	Ala	Pro	Ser	Ser
								165				170

<210> 1715

<211> 102

<212> PRT

<213> Homo sapiens

<400> 1715

Met	Arg	Val	Ser	Cys	Ser	Arg	Ser	Cys	Cys	Ser	Leu	Pro	Pro	Ile	Ser
1											10			15	

Leu	Ser	Leu	Arg	Leu	Val	Ala	Ser	Cys	Leu	Pro	Cys	Cys	Leu	Cys	Leu
								20					30		

Ser	Ala	Ala	Pro	Arg	Met	Gln	Glu	Glu	Pro	Gly	His	Leu	Arg	Pro	Ser
								35				40		45	

Arg Ala Arg Pro Leu Glu Gly Pro Ser Trp Asp Ser Pro Ser Leu Ala
 50 55 60

Pro Pro Ala Ser Ala Gln Arg Pro Leu Pro Pro Val Ser Arg Ile
 65 70 75 80

Leu Pro Ala Thr Ser Gly Arg Ala Gly Arg Trp Cys Gly Trp Ala Pro
 85 90 95

Cys Pro Lys Thr Ala Ala
 100

<210> 1716

<211> 180

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1716

Met Pro Ala Pro Ala Arg Ser Cys Gln Arg Ala Ala Leu Ser Leu Trp
 1 5 10 15

Ala Ser Gly Leu Gly Trp Leu Ser Ala Gln Pro Thr Val Ala Phe Arg
 20 25 30

Gly Ser Ser Trp Asp Trp Glu Pro Pro Gln Gly Gln Ala Asp Gly Val
 35 40 45

Arg Phe Val Leu Gly Leu Val Leu Pro Met Leu Gly Gly Gly Ala
 50 55 60

Pro Arg Thr Asp Gln Pro Cys Phe Ser Cys Asn Ala Val Thr Leu Ser
 65 70 75 80

Leu Asn Thr Trp Ile His Val Trp Pro Gly Leu Ala Gly Ser Arg Ser
 85 90 95

Pro Ala Arg Val Gly Ser His Gly Pro Ala Leu Glu Pro Pro Ser Gly
 100 105 110

Pro Gly Ala Ala Glu Ala Ala Ser Glu Gly Leu Pro Arg Pro Ala Phe
 115 120 125

His Arg Trp Gly Ala Gln Pro Ser Lys Ala Ala Xaa Thr Pro Pro Arg
 130 135 140

Pro Val Cys Gln Gly Ala Gly His Asn Pro Ala Gly Pro Arg Thr Gly
 145 150 155 160

Leu Gln Ala Ser Pro Cys Ala Pro Ala Gly Arg Pro Cys Ser Arg Glu
 165 170 175

Glu Val Leu Gly
 180

<210> 1717
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1717
Glu Ala Lys Gly Thr Ala Met Gln Arg Pro Trp Gly Arg Thr Ala Pro
1 5 10 15

Gly Met Arg Glu Glu Gln Ser Xaa Glu Arg Arg Ala Gly Arg Ala Gly
20 25 30

Pro Cys Gly Pro Gln Gly Gly Leu Gly His Leu Pro Arg Gly Ser Gly
35 40 45

Ala Pro Gly Cys Val Ser Arg Trp Glu Arg Gln Gly Arg Ile Cys Gly
50 55 60

Asp Leu Thr Arg Ala Gly Glu Ala Glu Thr Arg Val Gln Pro Pro Pro
65 70 75 80

Pro Lys Ala Gly Pro Ser Gln Arg Arg Gly Arg Ala Gly Gln Glu Val
85 90 95

Ser Gly Cys Leu Leu Gly Leu Val Trp Phe Cys Phe Val Leu Phe Ile
100 105 110

Val Val Lys Tyr Lys Ile Tyr Arg Leu Xaa Xaa Lys Lys Lys Lys Lys
115 120 125

Gly Arg Pro
130

<210> 1718
<211> 180
<212> PRT
<213> Homo sapiens

<400> 1718
Met Pro Ala Pro Ala Arg Ser Cys Gln Arg Ala Ala Leu Ser Leu Trp

1	5	10	15
Ala Ser Gly Leu Gly Trp Leu Ser Ala Gln Pro Thr Val Ala Phe Arg			
20 25 30			
Gly Ser Ser Trp Asp Trp Glu Pro Pro Gln Gly Gln Ala Asp Gly Val			
35 40 45			
Arg Phe Val Leu Gly Leu Val Leu Pro Met Leu Gly Gly Gly Ala			
50 55 60			
Pro Arg Thr Asp Gln Pro Cys Phe Ser Cys Asn Ala Val Thr Leu Ser			
65 70 75 80			
Leu Asn Thr Trp Ile His Val Trp Pro Gly Leu Ala Gly Ser Arg Ser			
85 90 95			
Pro Ala Arg Val Gly Ser His Gly Pro Ala Leu Glu Pro Pro Ser Gly			
100 105 110			
Pro Gly Ala Ala Glu Ala Ala Ser Glu Gly Leu Pro Arg Pro Ala Phe			
115 120 125			
His Arg Trp Gly Ala Gln Pro Ser Lys Ala Ala Glu Thr Pro Pro Arg			
130 135 140			
Pro Val Cys Gln Gly Ala Gly His Asn Pro Ala Gly Pro Arg Thr Gly			
145 150 155 160			
Leu Gln Ala Ser Pro Cys Ala Pro Ala Gly Arg Pro Cys Ser Arg Glu			
165 170 175			
Glu Val Leu Gly			
180			

<210> 1719

<211> 177

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1719

Met	Val	Gly	Lys	Ile	Lys	Arg	Leu	Lys	Ser	Ala	Phe	Val	Val	Leu
1				5				10					15	

Ile	Leu	Leu	Ile	Thr	Ala	Lys	Leu	Leu	Val	Leu	Pro	Leu	Leu	Cys	Arg
			20				25					30			

Glu	Met	Val	Glu	Leu	Leu	Asp	Lys	Gly	Asp	Ser	Val	Val	Asn	His	Thr
			35			40					45				

Ser	Leu	Ser	Asn	Tyr	Ala	Phe	Leu	Tyr	Gly	Val	Phe	Pro	Val	Ala	Pro
			50			55				60					

Gly	Val	Ala	Ile	Phe	Ala	Thr	Gln	Phe	Asn	Met	Glu	Val	Glu	Ile	Ile
	65					70			75			80			

Thr	Ser	Gly	Met	Val	Ile	Ser	Thr	Phe	Val	Ser	Ala	Pro	Ile	Met	Tyr
			85				90				95				

Val	Ser	Ala	Trp	Leu	Leu	Thr	Phe	Pro	Thr	Met	Asp	Pro	Lys	Pro	Leu
			100			105			110						

Ala	Tyr	Ala	Ile	Gln	Asn	Val	Xaa	Phe	Asp	Ile	Xaa	Ile	Xaa	Ser	Leu
			115			120				125					

Ile	Ser	Leu	Ile	Trp	Ser	Leu	Ala	Ile	Leu	Leu	Leu	Ser	Lys	Lys	Tyr
			130			135				140					

Lys	Gln	Leu	Xaa	His	Met	Leu	Thr	Thr	Asn	Leu	Leu	Ile	Ala	Gln	Ser
	145				150			155				160			

Ile	Val	Cys	Ala	Gly	Met	Met	Ile	Trp	Asn	Xaa	Xaa	Lys	Glu	Lys	Asn
					165			170				175			

Phe

<210> 1720

<211> 447

<212> PRT

<213> Homo sapiens

<400> 1720

Thr	Thr	Thr	Lys	Phe	Ala	Ala	Ala	Ser	Thr	Phe	His	Pro	Ala	Ser	Lys
1				5				10			15				

Ser Asn Ile Lys Lys Val Trp Met Ala Glu Gln Lys Ile Ser Tyr Asp
 20 25 30

Lys Lys Lys Gln Glu Glu Leu Met Gln Gln Tyr Leu Lys Glu Gln Glu
 35 40 45

Ser Tyr Asp Asn Arg Leu Leu Met Gly Asp Glu Arg Val Lys Asn Gly
 50 55 60

Leu Asn Phe Met Tyr Glu Ala Pro Pro Gly Ala Lys Lys Glu Asn Lys
 65 70 75 80

Glu Lys Glu Glu Thr Glu Gly Glu Thr Glu Tyr Lys Phe Glu Trp Gln
 85 90 95

Lys Gly Ala Pro Arg Glu Lys Tyr Ala Lys Asp Asp Met Asn Ile Arg
 100 105 110

Asp Gln Pro Phe Gly Ile Gln Val Arg Asn Val Arg Cys Ile Lys Cys
 115 120 125

His Lys Trp Gly His Val Asn Thr Asp Arg Glu Cys Pro Leu Phe Gly
 130 135 140

Leu Ser Gly Ile Asn Ala Ser Ser Val Pro Thr Asp Gly Ser Gly Pro
 145 150 155 160

Ser Met His Pro Ser Glu Leu Ile Ala Glu Met Arg Asn Ser Gly Phe
 165 170 175

Ala Leu Lys Arg Asn Val Leu Gly Arg Asn Leu Thr Ala Asn Asp Pro
 180 185 190

Ser Gln Glu Tyr Val Ala Ser Glu Gly Glu Glu Asp Pro Glu Val Glu
 195 200 205

Phe Leu Lys Ser Leu Thr Thr Lys Gln Lys Leu Leu Arg Lys
 210 215 220

Leu Asp Arg Leu Glu Lys Lys Lys Lys Lys Asp Arg Lys Lys Lys
 225 230 235 240

Lys Phe Gln Lys Ser Arg Ser Lys His Lys Lys His Lys Ser Ser Ser
 245 250 255

Ser Ser Ser Ser Ser Ser Ser Ser Thr Glu Thr Ser Glu
 260 265 270

Ser Ser Ser Glu Ser Glu Ser Asn Asn Lys Glu Lys Lys Ile Gln Arg
 275 280 285

Lys Lys Arg Lys Lys Asn Lys Cys Ser Gly His Asn Asn Ser Asp Ser
 290 295 300

Glu Glu Lys Asp Lys Ser Lys Lys Arg Lys Leu His Glu Glu Leu Ser
 305 310 315 320

Ser Ser His His Asn Arg Glu Lys Ala Lys Glu Lys Pro Arg Phe Leu
 325 330 335

Lys His Glu Ser Ser Arg Glu Asp Ser Lys Trp Ser His Ser Asp Ser
 340 345 350

Asp Lys Lys Ser Arg Thr His Lys His Ser Pro Glu Lys Arg Gly Ser
 355 360 365

Glu Arg Lys Glu Gly Ser Ser Arg Ser His Gly Arg Glu Glu Arg Ser
 370 375 380

Arg Arg Ser Arg Ser Arg Ser Pro Gly Ser Tyr Lys Gln Arg Glu Thr
 385 390 395 400

Arg Lys Arg Ala Gln Arg Asn Pro Gly Glu Glu Gln Ser Arg Arg Asn
 405 410 415

Asp Ser Arg Ser His Gly Thr Asp Leu Tyr Arg Gly Glu Lys Met Tyr
 420 425 430

Arg Glu His Pro Gly Gly Thr His Thr Lys Val Thr Gln Arg Glu
 435 440 445

<210> 1721

<211> 177

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1721

Met Val Gly Lys Ile Lys Arg Leu Lys Lys Ser Ala Phe Val Val Leu
 1 5 10 15Ile Leu Leu Ile Thr Ala Lys Leu Leu Val Leu Pro Leu Leu Cys Arg
 20 25 30

Glu Met Val Glu Leu Leu Asp Lys Gly Asp Ser Val Val Asn His Thr
 35 40 45

 Ser Leu Ser Asn Tyr Ala Phe Leu Tyr Gly Val Phe Pro Val Ala Pro
 50 55 60

 Gly Val Ala Ile Phe Ala Thr Gln Phe Asn Met Glu Val Glu Ile Ile
 65 70 75 80

 Thr Ser Gly Met Val Ile Ser Thr Phe Val Ser Ala Pro Ile Met Tyr
 85 90 95

 Val Xaa Ala Trp Leu Leu Thr Phe Pro Thr Met Asp Pro Lys Pro Leu
 100 105 110

 Ala Tyr Ala Ile Gln Asn Val Ser Phe Asp Ile Ser Ile Val Ser Leu
 115 120 125

 Ile Ser Leu Ile Trp Xaa Leu Ala Ile Leu Leu Ser Lys Lys Tyr
 130 135 140

 Lys Gln Leu Xaa His Met Leu Thr Thr Asn Leu Leu Ile Ala Gln Ser
 145 150 155 160

 Ile Val Cys Ala Gly Met Met Ile Trp Asn Xaa Xaa Lys Glu Lys Asn
 165 170 175

 Phe

<210> 1722
 <211> 227
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1722
 Met Val Gly Lys Ile Lys Arg Leu Lys Lys Ser Ala Phe Val Val Leu
 1 5 10 15

Ile Leu Leu Ile Thr Ala Lys Leu Leu Val Leu Pro Leu Leu Cys Arg
 20 25 30

Glu Met Val Glu Leu Leu Asp Lys Gly Asp Ser Val Val Asn His Thr
 35 40 45

Ser Leu Ser Asn Tyr Ala Phe Leu Tyr Gly Val Phe Pro Val Ala Pro
 50 55 60

Gly Val Ala Ile Phe Ala Thr Gln Phe Asn Met Glu Val Glu Ile Ile
 65 70 75 80

Thr Ser Gly Met Val Ile Ser Thr Phe Val Ser Ala Pro Ile Met Tyr
 85 90 95

Val Ser Ala Trp Leu Leu Thr Phe Pro Thr Met Asp Pro Lys Pro Leu
 100 105 110
 Ala Tyr Ala Ile Gln Asn Val Ser Phe Asp Ile Ser Ile Val Ser Leu
 115 120 125
 Ile Ser Leu Ile Trp Ser Leu Ala Ile Leu Leu Ser Lys Lys Tyr
 130 135 140
 Lys Gln Leu Pro His Met Leu Thr Thr Asn Leu Leu Ile Ala Gln Ser
 145 150 155 160
 Ile Val Cys Ala Gly Met Met Ile Trp Asn Xaa Val Lys Glu Lys Asn
 165 170 175
 Phe Val Gly Gln Ile Leu Val Phe Val Leu Leu Tyr Ser Ser Leu Tyr
 180 185 190
 Ser Thr Tyr Leu Trp Thr Gly Leu Leu Ala Ile Ser Leu Phe Leu Leu
 195 200 205
 Lys Lys Arg Glu Arg Val Gln Ile Pro Val Gly Ile Ile Ile Ser
 210 215 220
 Gly Trp Gly
 225

<210> 1723

<211> 227

<212> PRT

<213> Homo sapiens

<400> 1723

Met Val Gly Lys Ile Lys Arg Leu Lys Lys Ser Ala Phe Val Val Leu
 1 5 10 15

Ile Leu Leu Ile Thr Ala Lys Leu Leu Val Leu Pro Leu Leu Cys Arg
 20 25 30

Glu Met Val Glu Leu Leu Asp Lys Gly Asp Ser Val Val Asn His Thr
 35 40 45

Ser Leu Ser Asn Tyr Ala Phe Leu Tyr Gly Val Phe Pro Val Ala Pro
 50 55 60

Gly Val Ala Ile Phe Ala Thr Gln Phe Asn Met Glu Val Glu Ile Ile
 65 70 75 80

Thr Ser Gly Met Val Ile Ser Thr Phe Val Ser Ala Pro Ile Met Tyr
 85 90 95

Val Ser Ala Trp Leu Leu Thr Phe Pro Thr Met Asp Pro Lys Pro Leu
 100 105 110

Ala Tyr Ala Ile Gln Asn Val Ser Phe Asp Ile Ser Ile Val Ser Leu
 115 120 125

Ile Ser Leu Ile Trp Ser Leu Ala Ile Leu Leu Leu Ser Lys Lys Tyr
 130 135 140

Lys Gln Leu Pro His Met Leu Thr Thr Asn Leu Leu Ile Ala Gln Ser
 145 150 155 160

Ile Val Cys Ala Gly Met Met Ile Trp Asn Phe Val Lys Glu Lys Asn
 165 170 175

Phe Val Gly Gln Ile Leu Val Phe Val Leu Leu Tyr Ser Ser Leu Tyr
 180 185 190

Ser Thr Tyr Leu Trp Thr Gly Leu Leu Ala Ile Ser Leu Phe Leu Leu
 195 200 205

Lys Lys Arg Glu Arg Val Gln Ile Pro Val Gly Ile Ile Ile Ile Ser
 210 215 220

Gly Trp Gly
 225

<210> 1724

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1724

Met Gln Trp Arg Ala Leu Val Leu Gly Leu Val Leu Leu Arg Leu Gly
 1 5 10 15

Leu His Gly Val Leu Trp Leu Val Phe Gly Leu Gly Pro Ser Met Gly
 20 25 30

Phe Tyr Gln Arg Phe Pro Leu Ser Phe Gly Phe Gln Arg Leu Arg Ser
 35 40 45

Pro Asp Gly Pro Ala Ser Pro Thr Phe Gly Ala Arg Xaa Pro Ala Trp
 50 55 60

Gly Gly Ile Arg Ala Val Val Ala Cys Asn Arg Arg Gly Thr Gly Gln
 65 70 75 80

Arg Xaa Thr Arg Ala Lys Leu
 85

<210> 1725

<211> 146

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1725

Met	Gln	Trp	Arg	Ala	Leu	Val	Leu	Gly	Leu	Val	Leu	Leu	Arg	Leu	Gly
1				5					10				15		

Leu	His	Gly	Val	Leu	Trp	Leu	Val	Phe	Gly	Leu	Gly	Pro	Ser	Met	Gly
			20					25				30			

Phe	Tyr	Gln	Arg	Phe	Pro	Leu	Ser	Phe	Gly	Phe	Gln	Arg	Leu	Arg	Ser
		35					40				45				

Pro	Asp	Gly	Pro	Ala	Ser	Pro	Thr	Ser	Gly	Pro	Val	Gly	Arg	Pro	Gly
	50					55				60					

Gly	Val	Ser	Gly	Pro	Ser	Trp	Leu	Gln	Pro	Pro	Gly	Thr	Gly	Ala	Ala
65					70				75			80			

Gln	Ser	Pro	Arg	Lys	Ala	Pro	Arg	Arg	Pro	Gly	Pro	Gly	Met	Cys	Gly
				85					90			95			

Pro	Ala	Asn	Trp	Gly	Tyr	Val	Leu	Gly	Arg	Pro	Gly	Arg	Gly	Pro	Asp
		100					105				110				

Glu	Tyr	Xaa	Glu	Ala	Ala	Thr	Ala	Ala	Pro	Xaa	Leu	Arg	Asn	Leu	Arg
		115					120				125				

Ala	Arg	Cys	Pro	Glu	Leu	Ala	Arg	Gly	Met	Val	Xaa	Phe	Trp	Ala	Thr
	130				135				140						

Thr Leu
145

<210> 1726

<211> 405

<212> PRT

<213> Homo sapiens

<400> 1726

Met	Gln	Trp	Arg	Ala	Leu	Val	Leu	Gly	Leu	Val	Leu	Leu	Arg	Leu	Gly
1				5					10			15			

Leu His Gly Val Leu Trp Leu Val Phe Gly Leu Gly Pro Ser Met Gly
 20 25 30

Phe Tyr Gln Arg Phe Pro Leu Ser Phe Gly Phe Gln Arg Leu Arg Ser
 35 40 45

Pro Asp Gly Pro Ala Ser Pro Thr Ser Gly Pro Val Gly Arg Pro Gly
 50 55 60

Gly Val Ser Gly Pro Ser Trp Leu Gln Pro Pro Gly Thr Gly Ala Ala
 65 70 75 80

Gln Ser Pro Arg Lys Ala Pro Arg Arg Pro Gly Pro Gly Met Cys Gly
 85 90 95

Pro Ala Asn Trp Gly Tyr Val Leu Gly Gly Arg Gly Arg Gly Pro Asp
 100 105 110

Glu Tyr Glu Lys Arg Tyr Ser Gly Ala Phe Pro Pro Gln Leu Arg Ala
 115 120 125

Gln Met Arg Asp Leu Ala Arg Gly Met Phe Val Phe Gly Tyr Asp Asn
 130 135 140

Tyr Met Ala His Ala Phe Pro Gln Asp Glu Leu Asn Pro Ile His Cys
 145 150 155 160

Arg Gly Arg Gly Pro Asp Arg Gly Asp Pro Ser Asn Leu Asn Ile Asn
 165 170 175

Asp Val Leu Gly Asn Tyr Ser Leu Thr Leu Val Asp Ala Leu Asp Thr
 180 185 190

Leu Ala Ile Met Gly Asn Ser Ser Glu Phe Gln Lys Ala Val Lys Leu
 195 200 205

Val Ile Asn Thr Val Ser Phe Asp Lys Asp Ser Thr Val Gln Val Phe
 210 215 220

Glu Ala Thr Ile Arg Val Leu Gly Ser Leu Leu Ser Ala His Arg Ile
 225 230 235 240

Ile Thr Asp Ser Lys Gln Pro Phe Gly Asp Met Thr Ile Lys Asp Tyr
 245 250 255

Asp Asn Glu Leu Leu Tyr Met Ala His Asp Leu Ala Val Arg Leu Leu
 260 265 270

Pro Ala Phe Glu Asn Thr Lys Thr Gly Ile Pro Tyr Pro Arg Val Asn
 275 280 285

Leu Lys Thr Gly Val Pro Pro Asp Thr Asn Asn Glu Thr Cys Thr Ala
 290 295 300

Gly Ala Gly Ser Leu Leu Val Glu Phe Gly Ile Leu Ser Arg Leu Leu
 305 310 315 320

Gly Asp Ser Thr Phe Glu Trp Val Ala Arg Arg Ala Val Lys Ala Leu
 325 330 335

Trp Asn Leu Arg Ser Asn Asp Thr Gly Leu Leu Gly Val Ala Pro Phe
 340 345 350

Leu Ala Ile Gly Thr Ala His Cys Leu Val Pro Phe Ser Phe His Leu
 355 360 365

Leu Trp Ala Leu Pro Pro Phe Tyr Ser Ser Thr Gln Leu Thr Thr Gln
 370 375 380

Gln Glu Leu Cys Gln Leu Tyr Leu Ile Ser Leu Cys Asp Pro Leu Gln
 385 390 395 400

Arg Gly Cys Met Val
 405

<210> 1727

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1727

Met Ile Leu Trp Leu Asp Trp Ala Leu Phe Leu Leu Val Phe Pro Gly
 1 5 10 15Gln Phe Phe Cys Trp Phe Cys Leu Gly Ser Leu Met Arg Leu Gln Val
 20 25 30Ala Ala Gly Ser Ala Ser Val Trp Gly Ser Ala Gly Met Thr Trp Pro
 35 40 45Leu Ser Ala Cys Gly Pro Leu Ser Ser Met Met Val Ser Gly Phe Gln
 50 55 60Ala Ser Lys Pro Gln Cys Thr Ser Ile Tyr Pro Ala Phe Ala Cys Ile
 65 70 75 80Ala Leu Ala His Val Ser Leu Ala Lys Thr Asp His Val Ala Lys Leu
 85 90 95Arg Val Ser Val Gly Arg Val Tyr Thr Ser Ala Trp Ile Leu Lys Gly
 100 105 110Met Ile His Xaa Gly Pro Leu Xaa
 115 120

<210> 1728

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1728

Lys	Tyr	Ser	Tyr	Cys	Ser	His	Leu	His	Phe	Xaa	Met	Asn	Glu	Ser	Ala
1				5					10					15	

Leu	Phe	Cys	Ser	Asn	Phe	His	Trp	Lys	Pro	Val	Gly	Ser	Glu	Arg	Leu
				20				25					30		

Trp	Pro	Pro	Leu	Ile	Ile	Tyr	Asp	Leu	Lys	Pro	Ala	Cys	Asn	Arg	Glu
					35			40				45			

Pro	Leu	Gln	Ser	Leu											
				50											

<210> 1729

<211> 120

<212> PRT

<213> Homo sapiens

<400> 1729

Met	Ile	Leu	Trp	Leu	Asp	Trp	Ala	Leu	Phe	Leu	Leu	Val	Phe	Pro	Gly
1				5					10				15		

Gln	Phe	Phe	Cys	Trp	Phe	Cys	Leu	Gly	Ser	Leu	Met	Arg	Leu	Gln	Val
					20			25				30			

Ala	Ala	Gly	Ser	Ala	Ser	Val	Trp	Gly	Ser	Ala	Gly	Met	Thr	Trp	Pro
					35			40				45			

Leu	Ser	Ala	Cys	Gly	Pro	Leu	Ser	Ser	Met	Met	Val	Ser	Gly	Phe	Gln
					50			55			60				

Ala	Ser	Lys	Pro	Gln	Cys	Thr	Ser	Ile	Tyr	Pro	Ala	Phe	Ala	Cys	Ile
65					70				75			80			

Ala	Leu	Ala	His	Val	Ser	Leu	Ala	Lys	Thr	Asp	His	Val	Ala	Lys	Leu
					85			90				95			

Arg	Val	Ser	Val	Gly	Arg	Val	Tyr	Thr	Ser	Ala	Trp	Ile	Leu	Lys	Gly
					100			105				110			

Met	Ile	His	Trp	Gly	Pro	Leu	Leu								
					115		120								

<210> 1730

<211> 485

<212> PRT

<213> Homo sapiens

<400> 1730

Met	Leu	Pro	Thr	Phe	Leu	Leu	Met	Asn	Leu	Leu	Ser	Leu	Ala	Gly	Asp
1				5			10						15		
Val	Ala	Leu	Gln	Gln	Leu	Val	His	Leu	Glu	Gln	Ala	Val	Ser	Gly	Glu
			20			25						30			
Leu	Cys	Arg	Arg	Arg	Val	Leu	Arg	Glu	Glu	Gln	Glu	His	Lys	Thr	Lys
	35				40							45			
Asp	Pro	Lys	Glu	Lys	Asn	Thr	Ser	Ser	Glu	Thr	Thr	Met	Glu	Glu	Glu
	50				55							60			
Leu	Gly	Leu	Val	Gly	Ala	Thr	Ala	Asp	Asp	Thr	Glu	Ala	Glu	Leu	Ile
	65				70						75		80		
Arg	Gly	Ile	Cys	Glu	Met	Glu	Leu	Leu	Asp	Gly	Lys	Gln	Thr	Leu	Ala
	85				90						95				
Ala	Phe	Val	Pro	Leu	Leu	Leu	Lys	Val	Cys	Asn	Asn	Pro	Gly	Leu	Tyr
	100				105							110			
Ser	Asn	Pro	Asp	Leu	Ser	Ala	Ala	Ala	Ser	Leu	Ala	Leu	Gly	Lys	Phe
	115				120						125				
Cys	Met	Ile	Ser	Ala	Thr	Phe	Cys	Asp	Ser	Gln	Leu	Arg	Leu	Leu	Phe
	130				135						140				
Thr	Met	Leu	Glu	Lys	Ser	Pro	Leu	Pro	Ile	Val	Arg	Ser	Asn	Leu	Met
	145				150					155			160		
Val	Ala	Thr	Gly	Asp	Leu	Ala	Ile	Arg	Phe	Pro	Asn	Leu	Val	Asp	Pro
	165				170					175					
Trp	Thr	Pro	His	Leu	Tyr	Ala	Arg	Leu	Arg	Asp	Pro	Ala	Gln	Gln	Val
	180				185						190				
Arg	Lys	Thr	Ala	Gly	Leu	Val	Met	Thr	His	Leu	Ile	Leu	Lys	Asp	Met
	195				200						205				
Val	Lys	Val	Lys	Gly	Gln	Val	Ser	Glu	Met	Ala	Val	Leu	Leu	Ile	Asp
	210				215						220				
Pro	Glu	Pro	Gln	Ile	Ala	Ala	Leu	Ala	Lys	Asn	Phe	Phe	Asn	Glu	Leu
	225				230					235			240		
Ser	His	Lys	Gly	Asn	Ala	Ile	Tyr	Asn	Leu	Leu	Pro	Asp	Ile	Ile	Ser
	245				250						255				
Arg	Leu	Ser	Asp	Pro	Glu	Leu	Gly	Val	Glu	Glu	Pro	Phe	His	Thr	
	260				265						270				
Ile	Met	Lys	Gln	Leu	Leu	Ser	Tyr	Ile	Thr	Lys	Asp	Lys	Gln	Thr	Glu
	275				280						285				
Ser	Leu	Val	Glu	Lys	Leu	Cys	Gln	Arg	Phe	Arg	Thr	Ser	Arg	Thr	Glu
	290				295						300				

Arg Gln Gln Arg Asp Leu Ala Tyr Cys Val Ser Gln Leu Pro Leu Thr
 305 310 315 320
 Glu Arg Gly Leu Arg Lys Met Leu Asp Asn Phe Asp Cys Phe Gly Asp
 325 330 335
 Lys Leu Ser Asp Glu Ser Ile Phe Ser Ala Phe Leu Ser Val Val Gly
 340 345 350
 Lys Leu Arg Arg Gly Ala Lys Pro Glu Gly Lys Ala Ile Ile Asp Glu
 355 360 365
 Phe Glu Gln Lys Leu Arg Ala Cys His Thr Arg Gly Leu Asp Gly Ile
 370 375 380
 Lys Glu Leu Glu Ile Gly Gln Ala Gly Ser Gln Arg Ala Pro Ser Ala
 385 390 395 400
 Lys Lys Pro Ser Thr Gly Ser Arg Tyr Gln Pro Leu Ala Ser Thr Ala
 405 410 415
 Ser Asp Asn Asp Phe Val Thr Pro Glu Pro Arg Arg Thr Thr Arg Arg
 420 425 430
 His Pro Asn Thr Gln Gln Arg Ala Ser Lys Lys Lys Pro Lys Val Val
 435 440 445
 Phe Ser Ser Asp Glu Ser Ser Glu Glu Asp Leu Ser Ala Glu Met Thr
 450 455 460
 Glu Asp Glu Thr Pro Lys Lys Thr Thr Pro Ile Leu Arg Ala Ser Ala
 465 470 475 480
 Arg Arg His Arg Ser
 485

<210> 1731
 <211> 485
 <212> PRT
 <213> Homo sapiens

<400> 1731
 Met Leu Pro Thr Phe Leu Leu Met Asn Leu Leu Ser Leu Ala Gly Asp
 1 5 10 15
 Val Ala Leu Gln Gln Leu Val His Leu Glu Gln Ala Val Ser Gly Glu
 20 25 30
 Leu Cys Arg Arg Arg Val Leu Arg Glu Glu Gln Glu His Lys Thr Lys
 35 40 45
 Asp Pro Lys Glu Lys Asn Thr Ser Ser Glu Thr Thr Met Glu Glu Glu
 50 55 60
 Leu Gly Leu Val Gly Ala Thr Ala Asp Asp Thr Glu Ala Glu Leu Ile
 65 70 75 80
 Arg Gly Ile Cys Glu Met Glu Leu Leu Asp Gly Lys Gln Thr Leu Ala
 1095

85

90

95

Ala Phe Val Pro Leu Leu Leu Lys Val Cys Asn Asn Pro Gly Leu Tyr
 100 105 110

Ser Asn Pro Asp Leu Ser Ala Ala Ala Ser Leu Ala Leu Gly Lys Phe
 115 120 125

Cys Met Ile Ser Ala Thr Phe Cys Asp Ser Gln Leu Arg Leu Leu Phe
 130 135 140

Thr Met Leu Glu Lys Ser Pro Leu Pro Ile Val Arg Ser Asn Leu Met
 145 150 155 160

Val Ala Thr Gly Asp Leu Ala Ile Arg Phe Pro Asn Leu Val Asp Pro
 165 170 175

Trp Thr Pro His Leu Tyr Ala Arg Leu Arg Asp Pro Ala Gln Gln Val
 180 185 190

Arg Lys Thr Ala Gly Leu Val Met Thr His Leu Ile Leu Lys Asp Met
 195 200 205

Val Lys Val Lys Gly Gln Val Ser Glu Met Ala Val Leu Leu Ile Asp
 210 215 220

Pro Glu Pro Gln Ile Ala Ala Leu Ala Lys Asn Phe Phe Asn Glu Leu
 225 230 235 240

Ser His Lys Gly Asn Ala Ile Tyr Asn Leu Leu Pro Asp Ile Ile Ser
 245 250 255

Arg Leu Ser Asp Pro Glu Leu Gly Val Glu Glu Glu Pro Phe His Thr
 260 265 270

Ile Met Lys Gln Leu Leu Ser Tyr Ile Thr Lys Asp Lys Gln Thr Glu
 275 280 285

Ser Leu Val Glu Lys Leu Cys Gln Arg Phe Arg Thr Ser Arg Thr Glu
 290 295 300

Arg Gln Gln Arg Asp Leu Ala Tyr Cys Val Ser Gln Leu Pro Leu Thr
 305 310 315 320

Glu Arg Gly Leu Arg Lys Met Leu Asp Asn Phe Asp Cys Phe Gly Asp
 325 330 335

Lys Leu Ser Asp Glu Ser Ile Phe Ser Ala Phe Leu Ser Val Val Gly
 340 345 350

Lys Leu Arg Arg Gly Ala Lys Pro Glu Gly Lys Ala Ile Ile Asp Glu
 355 360 365

Phe Glu Gln Lys Leu Arg Ala Cys His Thr Arg Gly Leu Asp Gly Ile
 370 375 380

Lys Glu Leu Glu Ile Gly Gln Ala Gly Ser Gln Arg Ala Pro Ser Ala
 385 390 395 400

Lys Lys Pro Ser Thr Gly Ser Arg Tyr Gln Pro Leu Ala Ser Thr Ala

405

410

415

Ser Asp Asn Asp Phe Val Thr Pro Glu Pro Arg Arg Thr Thr Arg Arg
 420 425 430

His Pro Asn Thr Gln Gln Arg Ala Ser Lys Lys Lys Pro Lys Val Val
 435 440 445

Phe Ser Ser Asp Glu Ser Ser Glu Glu Asp Leu Ser Ala Glu Met Thr
 450 455 460

Glu Asp Glu Thr Pro Lys Lys Thr Thr Pro Ile Leu Arg Ala Ser Ala
 465 470 475 480

Arg Arg His Arg Ser
 485

<210> 1732

<211> 485

<212> PRT

<213> Homo sapiens

<400> 1732

Met Leu Pro Thr Phe Leu Leu Met Asn Leu Leu Ser Leu Ala Gly Asp
 1 5 10 15

Val Ala Leu Gln Gln Leu Val His Leu Glu Gln Ala Val Ser Gly Glu
 20 25 30

Leu Cys Arg Arg Arg Val Leu Arg Glu Glu Gln Glu His Lys Thr Lys
 35 40 45

Asp Pro Lys Glu Lys Asn Thr Ser Ser Glu Thr Thr Met Glu Glu Glu
 50 55 60

Leu Gly Leu Val Gly Ala Thr Ala Asp Asp Thr Glu Ala Glu Leu Ile
 65 70 75 80

Arg Gly Ile Cys Glu Met Glu Leu Leu Asp Gly Lys Gln Thr Leu Ala
 85 90 95

Ala Phe Val Pro Leu Leu Lys Val Cys Asn Asn Pro Gly Leu Tyr
 100 105 110

Ser Asn Pro Asp Leu Ser Ala Ala Ala Ser Leu Ala Leu Gly Lys Phe
 115 120 125

Cys Met Ile Ser Ala Thr Phe Cys Asp Ser Gln Leu Arg Leu Leu Phe
 130 135 140

Thr Met Leu Glu Lys Ser Pro Leu Pro Ile Val Arg Ser Asn Leu Met
 145 150 155 160

Val Ala Thr Gly Asp Leu Ala Ile Arg Phe Pro Asn Leu Val Asp Pro
 165 170 175

Trp Thr Pro His Leu Tyr Ala Arg Leu Arg Asp Pro Ala Gln Gln Val
 180 185 190

Arg Lys Thr Ala Gly Leu Val Met Thr His Leu Ile Leu Lys Asp Met
 195 200 205
 Val Lys Val Lys Gly Gln Val Ser Glu Met Ala Val Leu Leu Ile Asp
 210 215 220
 Pro Glu Pro Gln Ile Ala Ala Leu Ala Lys Asn Phe Phe Asn Glu Leu
 225 230 235 240
 Ser His Lys Gly Asn Ala Ile Tyr Asn Leu Leu Pro Asp Ile Ile Ser
 245 250 255
 Arg Leu Ser Asp Pro Glu Leu Gly Val Glu Glu Glu Pro Phe His Thr
 260 265 270
 Ile Met Lys Gln Leu Leu Ser Tyr Ile Thr Lys Asp Lys Gln Thr Glu
 275 280 285
 Ser Leu Val Glu Lys Leu Cys Gln Arg Phe Arg Thr Ser Arg Thr Glu
 290 295 300
 Arg Gln Gln Arg Asp Leu Ala Tyr Cys Val Ser Gln Leu Pro Leu Thr
 305 310 315 320
 Glu Arg Gly Leu Arg Lys Met Leu Asp Asn Phe Asp Cys Phe Gly Asp
 325 330 335
 Lys Leu Ser Asp Glu Ser Ile Phe Ser Ala Phe Leu Ser Val Val Gly
 340 345 350
 Lys Leu Arg Arg Gly Ala Lys Pro Glu Gly Lys Ala Ile Ile Asp Glu
 355 360 365
 Phe Glu Gln Lys Leu Arg Ala Cys His Thr Arg Gly Leu Asp Gly Ile
 370 375 380
 Lys Glu Leu Glu Ile Gly Gln Ala Gly Ser Gln Arg Ala Pro Ser Ala
 385 390 395 400
 Lys Lys Pro Ser Thr Gly Ser Arg Tyr Gln Pro Leu Ala Ser Thr Ala
 405 410 415
 Ser Asp Asn Asp Phe Val Thr Pro Glu Pro Arg Arg Thr Thr Arg Arg
 420 425 430
 His Pro Asn Thr Gln Gln Arg Ala Ser Lys Lys Lys Pro Lys Val Val
 435 440 445
 Phe Ser Ser Asp Glu Ser Ser Glu Glu Asp Leu Ser Ala Glu Met Thr
 450 455 460
 Glu Asp Glu Thr Pro Lys Lys Thr Thr Pro Ile Leu Arg Ala Ser Ala
 465 470 475 480
 Arg Arg His Arg Ser
 485

<210> 1733

<211> 65

<212> PRT

<213> Homo sapiens

<400> 1733

Met	Val	Val	Thr	Thr	Glu	Pro	Leu	Thr	Gln	Ala	Val	Val	Asp	Lys	Thr
1															

5

10

15

Leu	Leu	Leu	Val	Val	Leu	Leu	Leu	Gly	Val	Thr	Leu	Phe	Ile	Thr	Val
20															

20

25

30

Leu	Val	Leu	Phe	Ala	Leu	Gln	Ala	Tyr	Glu	Ser	Tyr	Lys	Lys	Lys	Asp
35															

35

40

45

Tyr	Thr	Gln	Val	Asp	Tyr	Leu	Ile	Asn	Gly	Met	Tyr	Ala	Asp	Ser	Glu
50															

50

55

60

Met

65

<210> 1734

<211> 65

<212> PRT

<213> Homo sapiens

<400> 1734

Met	Val	Val	Thr	Thr	Glu	Pro	Leu	Thr	Gln	Ala	Val	Val	Asp	Lys	Thr
1															

5

10

15

Leu	Leu	Leu	Val	Val	Leu	Leu	Leu	Gly	Val	Thr	Leu	Phe	Ile	Thr	Val
20															

20

25

30

Leu	Val	Leu	Phe	Ala	Leu	Gln	Ala	Tyr	Glu	Ser	Tyr	Lys	Lys	Lys	Asp
35															

35

40

45

Tyr	Thr	Gln	Val	Asp	Tyr	Leu	Ile	Asn	Gly	Met	Tyr	Ala	Asp	Ser	Glu
50															

50

55

60

Met

65

<210> 1735

<211> 342

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (271)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1735

Met Trp Thr Ala Leu Val Leu Ile Trp Ile Phe Ser Leu Ser Leu Ser
 1 5 10 15

Glu Ser His Ala Ala Ser Asn Asp Pro Arg Asn Phe Val Pro Asn Lys
 20 25 30

Met Trp Lys Gly Leu Val Lys Arg Asn Ala Ser Val Glu Thr Val Asp
 35 40 45

Asn Lys Thr Ser Glu Asp Val Thr Met Ala Ala Ala Ser Pro Val Thr
 50 55 60

Leu Thr Lys Gly Thr Ser Ala Ala His Leu Asn Ser Met Glu Val Thr
 65 70 75 80

Thr Glu Asp Thr Ser Arg Thr Asp Val Ser Glu Pro Ala Thr Ser Gly
 85 90 95

Gly Ala Ala Asp Gly Val Thr Ser Ile Ala Pro Thr Ala Val Ala Ser
 100 105 110

Ser Thr Thr Ala Ala Ser Ile Thr Thr Ala Ala Ser Ser Met Thr Val
 115 120 125

Ala Ser Ser Ala Pro Thr Thr Ala Ala Ser Ser Thr Thr Val Ala Ser
 130 135 140

Ile Ala Pro Thr Thr Xaa Ala Ser Ser Met Thr Ala Ala Ser Ser Thr
 145 150 155 160

Pro Met Thr Leu Ala Leu Pro Ala Pro Thr Ser Thr Ser Thr Gly Arg
 165 170 175

Thr Pro Ser Thr Thr Ala Thr Gly His Pro Ser Leu Ser Thr Ala Leu
 180 185 190

Ala Gln Val Pro Lys Ser Ser Ala Leu Pro Arg Thr Ala Thr Leu Ala
 195 200 205

Thr Leu Ala Thr Arg Ala Gln Thr Val Ala Thr Thr Ala Asn Thr Ser
 210 215 220

Ser Pro Met Ser Thr Arg Pro Ser Pro Ser Lys His Met Pro Ser Asp
 225 230 235 240

Thr Ala Ala Ser Pro Val Pro Pro Met Arg Pro Gln Ala Gln Gly Pro
 245 250 255

Ile Ser Gln Val Ser Val Asp Gln Pro Val Val Asn Thr Thr Xaa Lys
 260 265 270

Ser Thr Pro Met Pro Ser Asn Thr Thr Glu Pro Leu Thr Gln Ala
 275 280 285

Val Val Asp Lys Thr Leu Leu Leu Val Val Leu Leu Leu Gly Val Thr
 290 295 300

Leu Phe Ile Thr Val Leu Val Leu Phe Ala Leu Gln Ala Tyr Glu Ser
 1100

305	310	315	320
-----	-----	-----	-----

Tyr Lys Lys Lys Asp Tyr Thr Gln Val Asp Tyr Leu Ile Asn Gly Met	325	330	335
---	-----	-----	-----

Tyr Ala Asp Ser Glu Met	340
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<210> 1736

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1736

Met Thr Leu Pro Thr Ser Gln Cys Leu Ile Cys Leu Leu Gln Ala Leu	1	5	10	15
---	---	---	----	----

Cys Gly Ile Gly His Gly Ala Leu Ala Trp Gly Ser Asn Gln Val Leu	20	25	30
---	----	----	----

Phe Pro Gly Gly Gln Gln Glu Asp Gly Gly Cys Gln Arg Ile Pro Asp	35	40	45
---	----	----	----

Pro Ser Phe Leu Ser Thr Pro Cys Gly Lys Gln Gly Gly His Ala Glu	50	55	60
---	----	----	----

Gln Glu Leu Gln Gln Cys Trp Gly Ala Phe Xaa Gln Leu Pro Gly Cys	65	70	75	80
---	----	----	----	----

Val Leu His Phe His Pro Gly Val Leu His Lys Ala His Ser Glu Trp	85	90	95
---	----	----	----

<210> 1737

<211> 79

<212> PRT

<213> Homo sapiens

<400> 1737

Gly Leu Gly Pro Gly Ile Pro Met Cys Phe Gln Gln Trp Thr Thr Cys	1	5	10	15
---	---	---	----	----

Ser Glu Val Leu Val Cys Ala Ser Pro Val Ser Val Val Asp Lys Thr	20	25	30
---	----	----	----

Asp Gly Arg Phe Arg Gly Ser Thr Pro His Thr Cys Lys Leu Asp Arg	35	40	45
---	----	----	----

Ala Gln Lys Leu Val Lys Asp Ile Trp Arg Cys Cys Ala Gly Gln Phe

50

55

60

Ala Pro Leu Ser Leu Arg Ser Met Val Phe His Asn Ala Pro Ile
 65 70 75

<210> 1738

<211> 96

<212> PRT

<213> Homo sapiens

<400> 1738

Met Thr Leu Pro Thr Ser Gln Cys Leu Ile Cys Leu Leu Gln Ala Leu
 1 5 10 15

Cys Gly Ile Gly His Gly Ala Leu Ala Trp Gly Ser Asn Gln Val Leu
 20 25 30

Phe Pro Gly Gly Gln Gln Glu Asp Gly Gly Cys Gln Arg Ile Pro Asp
 35 40 45

Pro Ser Phe Leu Ser Thr Pro Cys Gly Lys Gln Gly Gly His Ala Glu
 50 55 60

Gln Glu Leu Gln Gln Cys Trp Gly Ala Phe Cys Gln Leu Pro Gly Cys
 65 70 75 80

Val Leu His Phe His Pro Gly Val Leu His Lys Ala His Ser Glu Trp
 85 90 95

<210> 1739

<211> 162

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (161)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1739

Met Ala Leu Pro Arg Cys Thr Trp Pro Asn Tyr Val Trp Arg Ala Val			
1	5	10	15

Met Ala Cys Leu Val His Arg Gly Leu Gly Ala Pro Leu Thr Leu Cys			
20	25	30	

Met Leu Gly Cys Leu Leu Gln Ala Gly His Val Leu Ser Gln Lys Leu			
35	40	45	

Asp Asp Val Asp Pro Leu Val Ala Thr Asn Phe Gly Lys Ile Arg Gly			
50	55	60	

Ile Lys Lys Glu Leu Asn Asn Glu Ile Leu Gly Pro Val Ile Gln Phe			
65	70	75	80

Leu Gly Val Pro Tyr Ala Ala Pro Pro Thr Gly Glu Arg Arg Phe Gln			
85	90	95	

Pro Pro Glu Pro Pro Ser Pro Trp Ser Asp Ile Arg Asn Ala Thr Gln			
100	105	110	

Phe Ala Pro Val Cys Pro Gln Asn Ile Ile Asp Gly Arg Leu Pro Glu			
115	120	125	

Val Met Leu Pro Val Xaa Phe Thr Asn Asn Leu Asp Val Xaa Ser Ser			
130	135	140	

Tyr Val Gln Asp Gln Ser Glu Arg Leu Xaa Ile Phe Lys Tyr Ile Cys			
145	150	155	160

Xaa Asp

<210> 1740

<211> 228

<212> PRT

<213> Homo sapiens

<400> 1740

Met Ala Leu Pro Arg Cys Thr Trp Pro Asn Tyr Val Trp Arg Ala Val			
1	5	10	15

Met Ala Cys Leu Val His Arg Gly Leu Gly Ala Pro Leu Thr Leu Cys			
20	25	30	

Met Leu Gly Cys Leu Leu Gln Ala Gly His Val Leu Ser Gln Lys Leu			
35	40	45	

Asp Asp Val Asp Pro Leu Val Ala Thr Asn Phe Gly Lys Ile Arg Gly			
50	55	60	

Ile Lys Lys Glu Leu Asn Asn Glu Ile Leu Gly Pro Val Ile Gln Phe			
65	70	75	80

Leu Gly Val Pro Tyr Ala Ala Pro Pro Thr Gly Glu Arg Arg Phe Gln			
85	90	95	

Pro Pro Glu Pro Pro Ser Pro Trp Ser Asp Ile Arg Asn Ala Thr Gln
 100 105 110
 Phe Ala Pro Val Cys Pro Gln Asn Ile Ile Asp Gly Arg Leu Pro Glu
 115 120 125
 Val Met Leu Pro Val Trp Phe Thr Asn Asn Leu Asp Val Val Ser Ser
 130 135 140
 Tyr Val Gln Asp Gln Ser Glu Asp Cys Leu Tyr Leu Asn Ile Tyr Val
 145 150 155 160
 Pro Thr Glu Asp Asp Ile Arg Asp Ser Gly Gly Pro Lys Pro Val Met
 165 170 175
 Val Tyr Ile His Gly Gly Ser Tyr Met Glu Gly Thr Gly Asn Leu Tyr
 180 185 190
 Asp Gly Ser Val Leu Ala Ser Tyr Gly Asn Val Ile Val Ile Thr Val
 195 200 205
 Asn Tyr Arg Leu Gly Val Leu Gly Lys Lys Ser Leu Ser Phe Val Phe
 210 215 220
 Thr Met Asn Pro
 225

<210> 1741

<211> 94

<212> PRT

<213> Homo sapiens

<400> 1741

Met Leu Pro Thr Leu Thr Ala Pro Thr Leu Ala Leu Leu Leu Pro
 1 5 10 15

Lys Ile Ser Cys Leu Leu Thr Ser Thr His Pro Arg Thr Gln Gly Ser
 20 25 30

Arg Ala His Phe Pro Arg Ala Trp Arg Leu Asp Pro Gly Glu Phe Leu
 35 40 45

His Pro Leu Gln Asp Pro His Ser Ser Pro Leu Trp Ser Leu Asp His
 50 55 60

Arg Trp Arg Trp Pro Glu Leu Thr Cys Trp Leu Trp Gly His Ser Ser
 65 70 75 80

Cys Trp Pro Arg Met Arg Arg Gly Thr Arg Glu Tyr Lys Gly
 85 90

<210> 1742

<211> 94

<212> PRT

<213> Homo sapiens

<400> 1742

Met	Leu	Pro	Thr	Leu	Thr	Ala	Pro	Thr	Leu	Ala	Leu	Leu	Leu	Pro
1				5					10					15

Lys	Ile	Ser	Cys	Leu	Leu	Thr	Ser	Thr	His	Pro	Arg	Thr	Gln	Gly	Ser
				20				25					30		

Arg	Ala	His	Phe	Pro	Arg	Ala	Trp	Arg	Leu	Asp	Pro	Gly	Glu	Phe	Leu
							35		40			45			

His	Pro	Leu	Gln	Asp	Pro	His	Ser	Ser	Pro	Leu	Trp	Ser	Leu	Asp	His
						50		55			60				

Arg	Trp	Arg	Trp	Pro	Glu	Leu	Thr	Cys	Trp	Leu	Trp	Gly	His	Ser	Ser
						65		70			75		80		

Cys	Trp	Pro	Arg	Met	Arg	Arg	Gly	Thr	Arg	Glu	Tyr	Lys	Gly	
					85				90					

<210> 1743

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1743

Met	Arg	Thr	Asp	Tyr	Pro	Arg	Xaa	Xaa	Arg	Ser	Cys	Leu	Cys	Val	Ser
1							5				10			15	

Leu	Ser	Pro	Pro	Leu	Val	Ser	Lys	Gly	Ser	His	Arg	Ser	Arg	Trp	Leu
							20		25			30			

Arg	Thr	Met	Ala	Val	Pro	Ala	Gly	Thr	Gln	Val	Trp	Arg	Gln	Asp	Leu
							35			40		45			

Gln	Pro	Leu	Gly	Ala	Val	Leu	Leu	Gln
						50		55

<210> 1744

<211> 123

<212> PRT

<213> Homo sapiens

<400> 1744

Met	Arg	Thr	Asp	Tyr	Pro	Arg	Ser	Val	Leu	Ala	Pro	Ala	Tyr	Val	Ser
1								5			10		15		

Val Cys Leu Leu Leu Cys Pro Arg Glu Val Ile Ala Pro Ala Gly
 20 25 30

Ser Glu Pro Trp Leu Cys Gln Pro Ala Pro Arg Cys Gly Asp Lys Ile
 35 40 45

Tyr Asn Pro Leu Glu Gln Cys Cys Tyr Asn Asp Ala Ile Val Ser Leu
 50 55 60

Ser Glu Thr Arg Gln Cys Gly Pro Pro Cys Thr Phe Trp Pro Cys Phe
 65 70 75 80

Glu Leu Cys Cys Leu Asp Ser Phe Gly Leu Thr Asn Asp Phe Val Val
 85 90 95

Lys Leu Lys Val Gln Gly Val Asn Ser Gln Cys His Ser Ser Pro Ile
 100 105 110

Ser Ser Lys Cys Glu Ser Arg Arg Arg Phe Pro
 115 120

<210> 1745

<211> 107

<212> PRT

<213> Homo sapiens

<400> 1745

Met His Pro Leu Pro Cys Leu His Leu Trp Glu Phe Phe Leu Ser Glu
 1 5 10 15

Trp Gly Gln Phe Leu Ala Gln Gly Ser Glu Leu Arg Gln Pro Gln Gly
 20 25 30

Arg Gly Pro Tyr Leu Leu Ser Ser Val Leu Gly Tyr Arg Glu Gln Pro
 35 40 45

Gly Asp Ser Leu Val Pro Pro Trp Arg Val Ser Leu Thr His Ser
 50 55 60

Pro Ser Leu Arg Ala Ser Trp Pro Thr Ala Ser Leu Trp Glu Ser Gly
 65 70 75 80

Arg Arg Ala Arg Trp Val Ala Gly Ala Arg Leu Leu Ser Pro Pro Pro
 85 90 95

Ala Asp Phe Leu Leu Pro Leu Ile Pro Phe
 100 105

<210> 1746

<211> 107

<212> PRT

<213> Homo sapiens

<400> 1746

Met His Pro Leu Pro Cys Leu His Leu Trp Glu Phe Phe Leu Ser Glu

1

5

10

15

Trp Gly Gln Phe Leu Ala Gln Gly Ser Glu Leu Arg Gln Pro Gln Gly
 20 25 30

Arg Gly Pro Tyr Leu Leu Ser Ser Val Leu Gly Tyr Arg Glu Gln Pro
 35 40 45

Gly Asp Ser Leu Val Pro Pro Trp Arg Val Ser Leu Thr His Ser
 50 55 60

Pro Ser Leu Arg Ala Ser Trp Pro Thr Ala Ser Leu Trp Glu Ser Gly
 65 70 75 80

Arg Arg Ala Arg Trp Val Ala Gly Ala Arg Leu Leu Ser Pro Pro Pro
 85 90 95

Ala Asp Phe Leu Leu Pro Leu Ile Pro Phe
 100 105

<210> 1747

<211> 120

<212> PRT

<213> Homo sapiens

<400> 1747

Met Ala Gly Tyr Gln Lys His His Gly Ser Phe Ala Ile Cys Cys Leu
 1 5 10 15

Phe Ser Ala Leu Ser Leu Thr Leu Ser Phe Gln Glu Gly Glu Asn Glu
 20 25 30

Cys Phe Pro Ala Phe Ser Val Leu Cys Ser Lys Glu Glu Ser Arg Cys
 35 40 45

Trp Leu Pro Asn Leu Pro Tyr Phe Leu Ile Ala Val Arg Gly Ile Asn
 50 55 60

Cys Met Phe Pro Glu Gly Lys Gly Trp Leu Thr Asp Leu Leu Glu Gly
 65 70 75 80

Ile Leu Ser Val Glu Ala Gly Gln Glu Asn Pro Gly Ile Ser Phe Ala
 85 90 95

Gly Phe Cys Ala Val Pro Leu Pro Ser Ser Cys Leu Lys Cys Glu Tyr
 100 105 110

Cys Phe Pro Ala Phe Gln Arg Trp
 115 120

<210> 1748

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1748

Asp	Val	Leu	Gln	Ile	Thr	Phe	Trp	Trp	Pro	Leu	Val	Thr	Ala	Val	Ser
1				5					10				15		

Leu	Gln	Gly	Leu	Asn	Lys	Xaa	Leu	Ser	Pro	Ile	Pro	Phe	His	Thr	Cys
				20				25				30			

Val	Val	Tyr	Tyr	Trp	Gln	Ala	Ser	Val	Leu	Arg	Val	Ser	Asn	Gly	Thr
					35			40				45			

Asp	Gly	Cys	Gln	Thr	Leu	Trp	Ile	Ser	Ala	Ser	Pro	Gly	Trp		
					50			55			60				

<210> 1749

<211> 120

<212> PRT

<213> Homo sapiens

<400> 1749

Met	Ala	Gly	Tyr	Gln	Lys	His	His	Gly	Ser	Phe	Ala	Ile	Cys	Cys	Leu
1					5				10				15		

Phe	Ser	Ala	Leu	Ser	Leu	Thr	Leu	Ser	Phe	Gln	Glu	Gly	Glu	Asn	Glu
				20				25				30			

Cys	Phe	Pro	Ala	Phe	Ser	Val	Leu	Cys	Ser	Lys	Glu	Glu	Ser	Arg	Cys
					35			40			45				

Trp	Leu	Pro	Asn	Leu	Pro	Tyr	Phe	Leu	Ile	Ala	Val	Arg	Gly	Ile	Asn
					50			55			60				

Cys	Met	Phe	Pro	Glu	Gly	Lys	Gly	Trp	Leu	Thr	Asp	Leu	Leu	Glu	Gly
					65			70			75			80	

Ile	Leu	Ser	Val	Glu	Ala	Gly	Gln	Glu	Asn	Pro	Gly	Ile	Ser	Phe	Ala
					85				90			95			

Gly	Phe	Cys	Ala	Val	Pro	Leu	Pro	Ser	Ser	Cys	Leu	Lys	Cys	Glu	Tyr
					100			105			110				

Cys	Phe	Pro	Ala	Phe	Gln	Arg	Trp								
					115		120								

<210> 1750

<211> 105

<212> PRT

<213> Homo sapiens

<400> 1750

Met	Asp	Asp	Phe	Leu	Phe	Ser	Val	Ser	Ile	Leu	Ser	Gly	Ile	Leu	Cys
1					5				10			15			

Gly Gln Lys Leu His Val Ser Arg Gln Xaa Ser Trp Leu Gly Asp Ile
 130 135 140

Leu Asp Trp Gln Asp Ile Val Ser Phe Val His Glu Asn Ile Glu Thr
 145 150 155 160

Phe Leu Ser Ile Leu Xaa Ser Leu Trp Ile Val Met Ser Leu Asn Val
 165 170 175

Ser Leu Leu Leu Pro Leu Ala Leu His Ser
 180 185

<210> 1752

<211> 224

<212> PRT

<213> Homo sapiens

<400> 1752

Val Leu Ser Leu Ile Ile Phe Leu Thr Thr Leu Phe Tyr Leu Leu Ser
 1 5 10 15

Ser Ser Asp Glu Tyr Tyr Lys Pro Val Lys Trp Val Ile Ser Leu Thr
 20 25 30

Pro Leu Ser Gln Pro Gly Pro Ser Ser Asn Ile Ile Gly Gln Ser Val
 35 40 45

Glu Glu Ala Ile Arg Gly Val Phe Asp Ala Ser Leu Lys Met Ala Gly
 50 55 60

Phe Tyr Gly Leu Tyr Thr Trp Leu Thr His Thr Met Phe Gly Ile Asn
 65 70 75 80

Ile Val Phe Ile Pro Ser Ala Leu Ala Ala Ile Leu Gly Ala Val Pro
 85 90 95

Phe Leu Gly Thr Tyr Trp Ala Ala Val Pro Ala Val Leu Asp Leu Trp
 100 105 110

Leu Thr Gln Gly Leu Gly Cys Lys Ala Ile Leu Leu Leu Ile Phe His
 115 120 125

Leu Leu Pro Thr Tyr Phe Val Asp Thr Ala Ile Tyr Ser Asp Ile Ser
 130 135 140

Gly Gly Gly His Pro Tyr Leu Thr Gly Leu Ala Val Ala Gly Gly Ala
 145 150 155 160

Tyr Tyr Leu Gly Leu Glu Gly Ala Ile Ile Gly Pro Ile Leu Leu Cys
 165 170 175

Ile Leu Val Val Ala Ser Asn Ile Tyr Ser Ala Met Leu Val Ser Pro
 180 185 190

Thr Asn Ser Val Pro Thr Pro Asn Gln Thr Pro Trp Pro Ala Gln Pro
 195 200 205

Gln Arg Thr Phe Arg Asp Ile Ser Glu Asp Leu Lys Ser Ser Val Gly
 1110

210

215

220

<210> 1753

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (183)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1753

Met	Leu	Asp	Lys	Ile	Ile	Ser	Ile	Phe	Ile	Ile	Phe	Leu	Leu	Val	Ile
1				5					10					15	

Gly	Thr	Leu	Leu	Leu	Ala	Leu	Leu	Leu	Thr	Ala	Lys	Val	His	Gln	Glu
					20				25				30		

Ser	Val	His	Met	Ile	Glu	Val	Thr	Ser	Asn	Leu	Ile	Asn	Glu	Thr	Leu
				35				40				45			

Ala	Asn	His	Pro	Glu	Trp	Ala	Asn	Trp	Leu	Pro	Glu	Ala	Gln	Val	Val
				50				55			60				

Gln	Arg	Ala	Leu	Asn	Ser	Ala	Ala	Asn	Asn	Val	Tyr	Gln	Tyr	Gly	Arg
				65				70		75		80			

Glu	Trp	Ile	Thr	His	Lys	Leu	His	Lys	Ile	Leu	Gly	Asp	Lys	Val	Asn
				85				90			95				

Asn	Thr	Ala	Val	Ile	Glu	Lys	Gln	Val	Leu	Glu	Leu	Trp	Asp	Arg	Leu
				100				105			110				

Tyr	His	Ser	Trp	Phe	Val	Lys	Asn	Val	Thr	His	Ser	Gly	Arg	His	Lys
				115				120			125				

Gly	Gln	Lys	Leu	His	Val	Ser	Arg	Gln	Xaa	Ser	Trp	Leu	Gly	Asp	Ile
				130				135			140				

Leu	Asp	Trp	Gln	Asp	Ile	Val	Ser	Phe	Val	His	Glu	Asn	Ile	Glu	Thr
				145				150		155		160			

Phe	Leu	Ser	Ile	Leu	Glu	Ser	Leu	Trp	Ile	Val	Met	Ser	Arg	Asn	Val
				165				170			175				

Ser	Leu	Leu	Phe	Thr	Thr	Xaa	Thr	Thr	Leu	Leu	Thr	Ile	Leu	Phe	Tyr
				180				185			190				

Ser	Gly	Thr	Ala	Leu	Leu	Asn	Phe	Val	Leu	Ser	Leu	Ile	Ile	Phe	Leu
										1111					

195	200	205
Thr Thr Leu Phe Tyr Leu Leu Ser Ser Ser Asp Glu Tyr Tyr Lys Pro		
210	215	220
Val Lys Trp Val Ile Ser Leu Thr Pro Leu Ser Gln Pro Gly Pro Ser		
225	230	235
Ser Asn Ile Ile Gly Gln Ser Val Glu Glu Ala Ile Arg Gly Val Phe		
245	250	255
Asp Ala Ser Leu Lys Met Ala Gly Phe Tyr Gly Leu Tyr Thr Trp Leu		
260	265	270
Thr His Thr Met Phe Gly Ile Asn Ile Val Phe Ile Pro Ser Ala Leu		
275	280	285
Ala Ala Ile Leu Gly Ala Val Pro Phe Leu Gly Thr Tyr Trp Ala Ala		
290	295	300
Val Pro Ala Val Leu Asp Leu Trp Leu Thr Gln Gly Leu Gly Cys Lys		
305	310	315
Ala Ile Leu Leu Ile Phe His Leu Leu Pro Thr Tyr Phe Val Asp		
325	330	335
Thr Ala Ile Tyr Ser Asp Ile Ser Gly Gly Gly His Pro Tyr Leu Thr		
340	345	350
Gly Leu Ala Val Ala Gly Gly Ala Tyr Tyr Leu Gly Leu Glu Gly Ala		
355	360	365
Ile Ile Gly Pro Ile Leu Leu Cys Ile Leu Val Val Ala Ser Asn Ile		
370	375	380
Tyr Ser Ala Met Leu Val Ser Pro Thr Asn Ser Val Pro Thr Pro Asn		
385	390	395
Gln Thr Pro Trp Pro Ala Gln Pro Gln Arg Thr Phe Arg Asp Ile Ser		
405	410	415
Glu Asp Leu Lys Ser Ser Val Gly		
420		

<210> 1754

<211> 385

<212> PRT

<213> Homo sapiens

<400> 1754

Met Leu Asp Lys Ile Ile Ser Ile Phe Ile Ile Phe Leu Leu Val Ile		
1	5	10
		15

Gly Thr Leu Leu Leu Ala Leu Leu Leu Thr Ala Lys Val His Gln Glu		
20	25	30

Ser Val His Met Ile Glu Val Thr Ser Asn Leu Ile Asn Glu Thr Leu		
35	40	45

Ala Asn His Pro Glu Trp Ala Asn Trp Leu Pro Glu Ala Gln Val Val
 50 55 60

Gln Arg Ala Leu Asn Ser Ala Ala Asn Asn Val Tyr Gln Tyr Gly Arg
 65 70 75 80

Glu Trp Ile Thr His Lys Leu His Lys Ile Leu Gly Asp Lys Val Asn
 85 90 95

Asn Thr Ala Val Ile Glu Lys Gln Val Leu Glu Leu Trp Asp Arg Leu
 100 105 110

Tyr His Ser Trp Phe Val Lys Asn Val Thr His Ser Gly Arg His Lys
 115 120 125

Gly Gln Lys Leu His Val Ser Arg Gln Asn Ser Trp Leu Gly Asp Ile
 130 135 140

Leu Asp Trp Gln Asp Ile Val Ser Phe Val His Glu Asn Ile Glu Thr
 145 150 155 160

Phe Leu Ser Ile Leu Glu Ser Leu Trp Ile Val Met Ser Arg Asn Val
 165 170 175

Ser Leu Leu Phe Thr Thr Val Thr Leu Leu Thr Ile Leu Phe Tyr
 180 185 190

Ser Gly Thr Ala Leu Leu Asn Phe Val Leu Ser Leu Ile Ile Phe Leu
 195 200 205

Thr Thr Leu Phe Tyr Leu Leu Ser Ser Asp Glu Tyr Tyr Lys Pro
 210 215 220

Val Lys Trp Val Ile Ser Leu Thr Pro Leu Ser Gln Pro Gly Pro Ser
 225 230 235 240

Ser Asn Ile Ile Gly Gln Ser Val Glu Glu Ala Ile Arg Gly Val Phe
 245 250 255

Asp Ala Ser Leu Lys Met Ala Gly Phe Tyr Gly Leu Tyr Thr Trp Leu
 260 265 270

Thr His Thr Met Phe Gly Ile Asn Ile Val Phe Ile Pro Ser Ala Leu
 275 280 285

Ala Ala Ile Leu Gly Ala Val Pro Phe Leu Gly Thr Tyr Trp Ala Ala
 290 295 300

Val Pro Ala Val Leu Asp Leu Trp Leu Thr Gln Gly Leu Gly Cys Lys
 305 310 315 320

Ala Ile Leu Leu Met Ile Phe His Leu Leu Pro Thr Tyr Phe Val Asp
 325 330 335

Thr Ala Ile Tyr Ser Asp Ile Ser Gly Gly His Pro Tyr Leu Thr
 340 345 350

Gly Leu Ala Val Ala Gly Gly Ser Ile Leu Pro Arg Pro Gly Arg Ser
 355 360 365

Leu
385

<210> 1755
<211> 293
<212> PRT
<213> *Homo sapiens*

<400> 1755
Met Pro Tyr Val Thr Glu Ala Thr Arg Val Gln Leu Val Leu Pro Leu
1 5 10 15

Ala Asn Val Leu Glu Pro Arg Glu His Ala Leu Leu Thr Leu Leu Leu
35 40 45

Val Tyr Gly Pro Arg Glu Gly Gly Arg Gly Ala Pro Asp Pro Phe Leu
50 55 60

Gly Val Lys Ala Ala Ala Ala Glu Leu Glu Arg Arg Tyr Pro Gly Thr
65 70 75 80

Leu Met Asp Val Val Ser Lys Lys His Pro Val Asp Thr Leu Phe Phe
100 105 110

Leu Thr Thr Val Trp Thr Arg Pro Gly Pro Glu Val Leu Asn Arg Cys
115 . . 120 . . 125

Arg Met Asn Ala Ile Ser Gly Trp Gln Ala Phe Phe Pro Val His Phe
130 135 140

Gln Glu Phe Asn Pro Ala Leu Ser Pro Gln Arg Ser Pro Pro Gly Pro
145 150 . 155 . 160

Pro Gly Ala Gly Pro Asp Pro Pro Ser Pro Pro Gly Ala Asp Pro Ser
165 170 175

Arg Gly Ala Pro Ile Gly Gly Arg Phe Asp Arg Gln Ala Ser Ala Glu
180 185 190

Gly Cys Phe Tyr Asn Ala Asp Tyr Leu Ala Ala Arg Ala Arg Leu Ala
195 200 205

Gly Glu Leu Ala Gly Gln Glu Glu Glu Glu Ala Leu Glu Gly Leu Glu
210 215 220

Val	Met	Asp	Val	Phe	Leu	Arg	Phe	Ser	Gly	Leu	His	Leu	Phe	Arg	Ala
225				230					235						240

Val Glu Pro Gly Leu Val Gln Lys Phe Ser Leu Arg Asp Cys Ser Pro
 245 250 255

Arg Leu Ser Glu Glu Leu Tyr His Arg Cys Arg Leu Ser Asn Leu Glu
 260 265 270

Gly Leu Gly Gly Arg Ala Gln Leu Ala Met Ala Leu Phe Glu Gln Glu
 275 280 285

Gln Ala Asn Ser Thr
 290

<210> 1756

<211> 566

<212> PRT

<213> Homo sapiens

<400> 1756

Met Gln Val Val Ser His Gly Asp Glu Arg Pro Ala Trp Leu Met Ser
 1 5 10 15

Glu Thr Leu Arg His Leu His Thr His Phe Gly Ala Asp Tyr Asp Trp
 20 25 30

Phe Phe Ile Met Gln Asp Asp Thr Tyr Val Gln Ala Pro Arg Leu Ala
 35 40 45

Ala Leu Ala Gly His Leu Ser Ile Asn Gln Asp Leu Tyr Leu Gly Arg
 50 55 60

Ala Glu Glu Phe Ile Gly Ala Gly Glu Gln Ala Arg Tyr Cys His Gly
 65 70 75 80

Gly Phe Gly Tyr Leu Leu Ser Arg Ser Leu Leu Leu Arg Leu Arg Pro
 85 90 95

His Leu Asp Gly Cys Arg Gly Asp Ile Leu Ser Ala Arg Pro Asp Glu
 100 105 110

Trp Leu Gly Arg Cys Leu Ile Asp Ser Leu Gly Val Gly Cys Val Ser
 115 120 125

Gln His Gln Ala Gln Ile Arg Asn Leu Thr Val Leu Thr Pro Glu Gly
 130 135 140

Glu Ala Gly Leu Ser Trp Pro Val Gly Leu Pro Ala Pro Phe Thr Pro
 145 150 155 160

His Ser Arg Phe Glu Val Leu Gly Trp Asp Tyr Phe Thr Glu Gln His
 165 170 175

Thr Phe Ser Cys Ala Asp Gly Ala Pro Lys Cys Pro Leu Gln Gly Ala
 180 185 190

Ser Arg Ala Asp Val Gly Asp Ala Leu Glu Thr Ala Leu Glu Gln Leu
 195 200 205

Asn Arg Arg Tyr Gln Pro Arg Leu Arg Phe Gln Lys Gln Arg Leu Leu
 1115

210	215	220
Asn Gly Tyr Arg Arg Phe Asp Pro Ala Arg Gly Met Glu Tyr Thr Leu		
225	230	235
Asp Pro Gly Ser Thr His Ala Ser Glu Arg Gly His Arg Arg Ala Leu		
245	250	255
Ala Arg Arg Val Ser Leu Leu Arg Pro Leu Ser Arg Val Glu Ile Leu		
260	265	270
Pro Met Pro Tyr Val Thr Glu Ala Thr Arg Val Gln Leu Val Leu Pro		
275	280	285
Leu Leu Val Ala Glu Ala Ala Ala Ala Pro Ala Phe Leu Glu Ala Phe		
290	295	300
Ala Ala Asn Val Leu Glu Pro Arg Glu His Ala Leu Leu Thr Leu Leu		
305	310	315
Leu Val Tyr Gly Pro Arg Glu Gly Gly Arg Gly Ala Pro Asp Pro Phe		
325	330	335
Leu Gly Val Lys Ala Ala Ala Ala Glu Leu Glu Arg Arg Tyr Pro Gly		
340	345	350
Thr Arg Leu Ala Trp Leu Ala Val Arg Ala Glu Ala Pro Ser Gln Val		
355	360	365
Arg Leu Met Asp Val Val Ser Lys Lys His Pro Val Asp Thr Leu Phe		
370	375	380
Phe Leu Thr Thr Val Trp Thr Arg Pro Gly Pro Glu Val Leu Asn Arg		
385	390	395
Cys Arg Met Asn Ala Ile Ser Gly Trp Gln Ala Phe Phe Pro Val His		
405	410	415
Phe Gln Glu Phe Asn Pro Ala Leu Ser Pro Gln Arg Ser Pro Pro Gly		
420	425	430
Pro Pro Gly Ala Gly Pro Asp Pro Pro Ser Pro Pro Gly Ala Asp Pro		
435	440	445
Ser Arg Gly Ala Pro Ile Ala Gly Arg Phe Asp Arg Gln Ala Ser Ala		
450	455	460
Glu Gly Cys Phe Tyr Asn Ala Asp Tyr Leu Ala Ala Arg Ala Arg Leu		
465	470	475
Ala Gly Glu Leu Ala Gly Gln Glu Glu Glu Ala Leu Glu Gly Leu		
485	490	495
Glu Val Met Asp Val Phe Leu Arg Phe Ser Gly Leu His Leu Phe Arg		
500	505	510
Ala Val Glu Pro Gly Leu Val Gln Lys Phe Ser Leu Arg Asp Cys Ser		
515	520	525
Pro Arg Leu Ser Glu Glu Leu Tyr His Arg Cys Arg Leu Ser Asn Leu		

530

535

540

Glu Gly Leu Gly Gly Arg Ala Gln Leu Ala Met Ala Leu Phe Glu Gln
 545 550 555 560

Glu Gln Ala Asn Ser Thr
 565

<210> 1757

<211> 249

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (221)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (241)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (246)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1757

Met Glu Phe Ser Trp Leu Glu Thr Arg Trp Ala Arg Pro Phe Tyr Leu
 1 5 10 15

Ala Phe Val Phe Cys Leu Ala Leu Gly Leu Leu Gln Ala Ile Lys Leu
 20 25 30

Tyr Leu Arg Arg Gln Arg Leu Leu Arg Asp Leu Arg Pro Phe Pro Ala
 35 40 45

Pro Pro Thr His Trp Phe Leu Gly His Gln Lys Phe Ile Gln Asp Asp
 50 55 60

Asn Met Glu Lys Leu Glu Glu Ile Ile Glu Lys Tyr Pro Arg Ala Phe
 65 70 75 80

Pro Phe Trp Ile Gly Pro Phe Gln Ala Phe Phe Cys Ile Tyr Asp Pro
 85 90 95

Asp Tyr Ala Lys Thr Leu Leu Ser Arg Thr Asp Pro Lys Ser Gln Tyr
 100 105 110

Leu Gln Lys Phe Ser Pro Pro Leu Leu Gly Lys Gly Leu Ala Ala Leu
 115 120 125

Asp Gly Pro Lys Trp Phe Gln His Arg Arg Leu Leu Thr Pro Gly Phe
 130 135 140

His Phe Asn Ile Leu Lys Ala Tyr Ile Glu Val Met Ala His Ser Val
 145 150 155 160

Lys Met Met Leu Asp Lys Trp Glu Lys Ile Cys Ser Thr Gln Asp Thr
 165 170 175

Ser Val Glu Val Tyr Glu His Ile Asn Ser Met Ser Leu Asp Ile Ile
 180 185 190

Met Lys Cys Ala Phe Ser Lys Glu Thr Asn Cys Gln Thr Asn Ser Thr
 195 200 205

His Asp Pro Tyr Ala Lys Ala Ile Leu Asn Ser Ala Xaa Ser Tyr Phe
 210 215 220

Thr Val Val Gln Leu Leu Tyr His Ser Asp Ile Phe Phe Lys Phe Ser
 225 230 235 240

Xaa Gln Gly Tyr Arg Xaa Pro Glu Leu
 245

<210> 1758

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1758

Ala Gln Gly His Pro Trp Ser Val Arg Thr Gln Leu Pro Arg Ile Pro
 1 5 10 15

Arg Pro Ser Pro Met Thr Leu Gly Pro Gln Ile Leu Ile Cys His Ser
 20 25 30

Gly Ser Ala Ala Gly Ser Arg Asn Cys Ile Gly Gln Glu Phe Ala Met
 35 40 45

Ile Glu Leu Lys Val Thr Ile Ala Leu Ile Leu His Phe Arg Val
 50 55 60

Thr Pro Asp Pro Thr Arg Pro Leu Thr Xaa Pro Asn His Phe Ile Leu

65 70 75 80

85 90 95

<210> 1759

<211> 249

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (242)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (247)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (248)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1759

Met Glu Phe Ser Trp Leu Glu Thr Arg Trp Ala Arg Pro Phe Tyr Leu
1 5 10 15

Ala Phe Val Phe Cys Leu Ala Leu Gly Leu Leu Gln Ala Ile Lys Leu
20 25 30

Tyr Leu Arg Arg Gln Arg Leu Leu Arg Asp Leu Arg Pro Phe Pro Ala
 35 40 45

Asn Met Glu Lys Leu Glu Glu Ile Ile Glu Lys Tyr Pro Arg Ala Phe
65. 70 75 80

Pro Phe Trp Ile Gly Pro Phe Gln Ala Phe Phe Cys Ile Tyr Asp Pro
85 90 95

Asp Tyr Ala Lys Thr Leu Leu Ser Arg Thr Asp Pro Lys Ser Gin Tyr
 100 105 110

Leu Gln Lys Phe Ser Pro Pro Leu Leu Gly Lys Gly Leu Ala Ala Leu
115 120 125

Asp Gly Pro Lys Trp Phe Gln His Arg Arg Leu Leu Thr Pro Gly Phe
130 135 140

Lys Met Met Leu Asp Lys Trp Glu Lys Ile Cys Ser Thr Gln Asp Thr
 165 170 175
 Ser Val Glu Val Tyr Glu His Ile Asn Ser Met Ser Leu Asp Ile Ile
 180 185 190
 Met Lys Cys Ala Phe Ser Lys Glu Thr Asn Cys Gln Thr Asn Ser Thr
 195 200 205
 His Asp Pro Tyr Ala Lys Ala Ile Phe Glu Leu Ser Lys Ile Ile Phe
 210 215 220
 His Arg Leu Tyr Ser Cys Cys Ile Thr Val Thr Tyr Phe Ser Asn Ser
 225 230 235 240
 Ala Xaa Arg Val Thr Val Xaa Xaa Ser
 245

<210> 1760

<211> 509

<212> PRT

<213> Homo sapiens

<400> 1760

Met Glu Phe Ser Trp Leu Glu Thr Arg Trp Ala Arg Pro Phe Tyr Leu
 1 5 10 15

Ala Phe Val Phe Cys Leu Ala Leu Gly Leu Leu Gln Ala Ile Lys Leu
 20 25 30

Tyr Leu Arg Arg Gln Arg Leu Leu Arg Asp Leu Arg Pro Phe Pro Ala
 35 40 45

Pro Pro Thr His Trp Phe Leu Gly His Gln Lys Phe Ile Gln Asp Asp
 50 55 60

Asn Met Glu Lys Leu Glu Glu Ile Ile Glu Lys Tyr Pro Arg Ala Phe
 65 70 75 80

Pro Phe Trp Ile Gly Pro Phe Gln Ala Phe Phe Cys Ile Tyr Asp Pro
 85 90 95

Asp Tyr Ala Lys Thr Leu Leu Ser Arg Thr Asp Pro Lys Ser Gln Tyr
 100 105 110

Leu Gln Lys Phe Ser Pro Pro Leu Leu Gly Lys Gly Leu Ala Ala Leu
 115 120 125

Asp Gly Pro Lys Trp Phe Gln His Arg Arg Leu Leu Thr Pro Gly Phe
 130 135 140

His Phe Asn Ile Leu Lys Ala Tyr Ile Glu Val Met Ala His Ser Val
 145 150 155 160

Lys Met Met Leu Asp Lys Trp Glu Lys Ile Cys Ser Thr Gln Asp Thr
 165 170 175

Ser Val Glu Val Tyr Glu His Ile Asn Ser Met Ser Leu Asp Ile Ile
 180 185 190
 Met Lys Cys Ala Phe Ser Lys Glu Thr Asn Cys Gln Thr Asn Ser Thr
 195 200 205
 His Asp Pro Tyr Ala Lys Ala Ile Phe Glu Leu Ser Lys Ile Ile Phe
 210 215 220
 His Arg Leu Tyr Ser Leu Leu Tyr His Ser Asp Ile Ile Phe Lys Leu
 225 230 235 240
 Ser Pro Gln Gly Tyr Arg Phe Gln Lys Leu Ser Arg Val Leu Asn Gln
 245 250 255
 Tyr Thr Asp Thr Ile Ile Gln Glu Arg Lys Lys Ser Leu Gln Ala Gly
 260 265 270
 Val Lys Gln Asp Asn Thr Pro Lys Arg Lys Tyr Gln Asp Phe Leu Asp
 275 280 285
 Ile Val Leu Ser Ala Lys Asp Glu Ser Gly Ser Ser Phe Ser Asp Ile
 290 295 300
 Asp Val His Ser Glu Val Ser Thr Phe Leu Leu Ala Gly His Asp Thr
 305 310 315 320
 Leu Ala Ala Ser Ile Ser Trp Ile Leu Tyr Cys Leu Ala Leu Asn Pro
 325 330 335
 Glu His Gln Glu Arg Cys Arg Glu Glu Val Arg Gly Ile Leu Gly Asp
 340 345 350
 Gly Ser Ser Ile Thr Trp Asp Gln Leu Gly Glu Met Ser Tyr Thr Thr
 355 360 365
 Met Cys Ile Lys Glu Thr Cys Arg Leu Ile Pro Ala Val Pro Ser Ile
 370 375 380
 Ser Arg Asp Leu Ser Lys Pro Leu Thr Phe Pro Asp Gly Cys Thr Leu
 385 390 395 400
 Pro Ala Gly Ile Thr Val Val Leu Ser Ile Trp Gly Leu His His Asn
 405 410 415
 Pro Ala Val Trp Lys Asn Pro Lys Val Phe Asp Pro Leu Arg Phe Ser
 420 425 430
 Gln Glu Asn Ser Asp Gln Arg His Pro Tyr Ala Tyr Leu Pro Phe Ser
 435 440 445
 Ala Gly Ser Arg Asn Cys Ile Gly Gln Glu Phe Ala Met Ile Glu Leu
 450 455 460
 Lys Val Thr Ile Ala Leu Ile Leu Leu His Phe Arg Val Thr Pro Asp
 465 470 475 480
 Pro Thr Arg Pro Leu Thr Phe Pro Asn His Phe Ile Leu Lys Pro Lys
 485 490 495

Asn Gly Met Tyr Leu His Leu Lys Lys Leu Ser Glu Cys
 500 505

<210> 1761

<211> 143

<212> PRT

<213> Homo sapiens

<400> 1761

Met Phe Lys Trp Val Arg Arg Thr Leu Ile Ala Leu Val Gln Val Thr
 1 5 10 15

Phe Gly Arg Thr Ile Asn Lys Gln Ile Arg Asp Thr Val Ser Trp Ile
 20 25 30

Phe Ser Glu Gln Met Leu Val Tyr Tyr Ile Asn Ile Phe Arg Asp Ala
 35 40 45

Phe Trp Pro Asn Gly Lys Leu Ala Pro Pro Thr Thr Ile Arg Ser Lys
 50 55 60

Glu Gln Ser Gln Glu Thr Lys Gln Arg Ala Gln Gln Lys Leu Leu Glu
 65 70 75 80

Asn Ile Pro Asp Met Leu Gln Ser Leu Val Gly Gln Gln Asn Ala Arg
 85 90 95

His Gly Ile Ile Lys Ile Phe Asn Ala Leu Gln Glu Thr Arg Ala Asn
 100 105 110

Lys His Leu Leu Tyr Ala Leu Met Glu Leu Leu Ile Glu Leu Cys
 115 120 125

Pro Glu Leu Arg Val His Leu Asp Gln Leu Lys Ala Gly Gln Val
 130 135 140

<210> 1762

<211> 143

<212> PRT

<213> Homo sapiens

<400> 1762

Met Phe Lys Trp Val Arg Arg Thr Leu Ile Ala Leu Val Gln Val Thr
 1 5 10 15

Phe Gly Arg Thr Ile Asn Lys Gln Ile Arg Asp Thr Val Ser Trp Ile
 20 25 30

Phe Ser Glu Gln Met Leu Val Tyr Tyr Ile Asn Ile Phe Arg Asp Ala
 35 40 45

Phe Trp Pro Asn Gly Lys Leu Ala Pro Pro Thr Thr Ile Arg Ser Lys
 50 55 60

Glu Gln Ser Gln Glu Thr Lys Gln Arg Ala Gln Gln Lys Leu Leu Glu
 65 70 75 80

Asn	Ile	Pro	Asp	Met	Leu	Gln	Ser	Leu	Val	Gly	Gln	Gln	Asn	Ala	Arg	
														85	90	95

His Gly Ile Ile Lys Ile Phe Asn Ala Leu Gln Glu Thr Arg Ala Asn
 100 105 110

Lys His Leu Leu Tyr Ala Leu Met Glu Leu Leu Leu Ile Glu Leu Cys
 115 . 120 . 125

Pro Glu Leu Arg Val His Leu Asp Gln Leu Lys Ala Gly Gln Val
130 135 140

<210> 1763

<211> 88

<212> PRT

<213> Homo sapiens

<400> 1763

Leu Leu Pro Leu Ser Thr Leu Ile Pro Ile Met Leu Ser Pro Leu Asp
20 25 30

Ile Phe Phe Ser Asp Asn Pro His Ile Asp Cys Ser Gly His His Phe
35 . 40 . 45

Val Pro Tyr Leu Leu Ile Gly Leu Asp Thr Asp Pro Gln Phe Thr Cys
50 55 60

Leu Tyr Leu Leu Ile Leu Thr Leu Leu Val Phe Val Phe Ser Leu Thr
65 70 75 80

Leu Leu Ser Pro Pro Ser Pro Gly
85

<210> 1764

<211> 88

<212> PRT

<213> Homo sapiens

<400> 1764

Met Lys Ser Leu Ile Lys Thr Tyr Phe Leu Leu Trp Thr Leu Lys Lys
 1 5 10 15

Leu Leu Pro Leu Ser Thr Leu Ile Pro Ile Met Leu Ser Pro Leu Asp
20 25 30

Ile Phe Phe Ser Asp Asn Pro His Ile Asp Cys Ser Gly His His Phe
35 40 45

Val Pro Tyr Leu Leu Ile Gly Leu Asp Thr Asp Pro Gln Phe Thr Cys
50 55 60

Leu Tyr Leu Leu Ile Leu Thr Leu Leu Val Phe Val Phe Ser Leu Thr

65

70

75

80

Leu Leu Ser Pro Pro Ser Pro Gly
 85

<210> 1765

<211> 231

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (177)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (193)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (199)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (208)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (222)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (231)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1765

Met	Ala	Leu	Ser	Ser	Leu	Ile	Val	Ile	Leu	Leu	Val	Val	Phe	Ala	Leu
1															15

Val	Leu	His	Gly	Gln	Asn	Lys	Lys	Tyr	Lys	Asn	Cys	Ser	Thr	Gly	Lys
															30

Gly	Ile	Ser	Thr	Met	Glu	Glu	Ser	Val	Thr	Leu	Asp	Asn	Gly	Gly	Phe
															45

Ala	Ala	Leu	Glu	Leu	Ser	Ser	Arg	His	Leu	Asn	Val	Lys	Ser	Thr	Phe
															50
															55
															60

Ser Lys Lys Asn Gly Thr Arg Ser Pro Pro Arg Pro Ser Pro Gly Gly
 65 70 75 80
 Leu His Tyr Ser Asp Glu Asp Ile Cys Asn Lys Tyr Asn Gly Ala Val
 85 90 95
 Leu Thr Glu Ser Val Ser Leu Lys Glu Lys Ser Ala Asp Ala Ser Glu
 100 105 110
 Ser Glu Ala Thr Asp Ser Asp Tyr Glu Asp Ala Leu Pro Lys His Ser
 115 120 125
 Phe Val Asn His Tyr Met Ser Asp Pro Thr Tyr Tyr Asn Ser Trp Lys
 130 135 140
 Arg Xaa Ala Gln Gly Pro Arg Thr Cys Ala Ala Gln Val Arg Gly Gly
 145 150 155 160
 Gly Gly Leu Arg Gly Gly Arg Ala Ala Ala Pro Gly His His His Ala
 165 170 175
 Xaa Arg Gly Arg Arg Leu His Pro Arg Trp Pro Arg Arg Ala Asn Phe
 180 185 190
 Xaa Tyr Arg Leu Leu Leu Xaa Arg Val Ser Lys Ser Ala Ala Leu Xaa
 195 200 205
 Gln Gly Gly Thr Glu Ala Thr Phe Arg Ser Leu Phe Leu Xaa Arg Gln
 210 215 220
 Phe Asn Ser Asn Lys Leu Xaa
 225 230

<210> 1766

<211> 127

<212> PRT

<213> Homo sapiens

<400> 1766

Glu Gly Phe Phe Lys Arg Leu Phe Val Thr Ser Leu Gln Glu Ala Gly
 1 5 10 15

Leu Phe Leu Phe Phe Leu Arg Glu Gly Val Phe His Trp Cys
 20 25 30

Asn Gly Leu Ala Pro Pro Gly Pro Gly Arg Thr Ser Asp Leu Pro Ser
 35 40 45

Pro Gly Phe Leu Arg Leu Gln Asp Gln Leu Gly Arg Val Lys Arg Gly
 50 55 60

Glu Gly Val Glu Gly Gln Val Arg Ser Gln Ser Cys Pro Gly Arg Pro
 65 70 75 80

Pro Ser Leu Ser Thr Ser Ser Arg Glu Pro Ala Ala His Thr Leu
 85 90 95

Leu Asn Ala Gly His Pro Arg Arg Leu Leu Gly Phe Glu Glu Gln Thr
 1125

100

105

110

Phe Phe Pro Gly Leu Ser Ala Phe Cys Pro Asn Phe Ile Cys Phe
 115 120 125

<210> 1767

<211> 240

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (192)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (222)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (235)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1767

Met Ala Leu Ser Ser Leu Ile Val Ile Leu Leu Val Val Phe Ala Leu
 1 5 10 15

Val Leu His Gly Gln Asn Lys Lys Tyr Lys Asn Cys Ser Thr Gly Lys
 20 25 30

Gly Ile Ser Thr Met Glu Glu Ser Val Thr Leu Asp Asn Gly Gly Phe
 35 40 45

Ala Ala Leu Glu Leu Ser Ser Arg His Leu Asn Val Lys Ser Thr Phe
 50 55 60

Ser Lys Lys Asn Gly Thr Arg Ser Pro Pro Arg Pro Ser Pro Gly Gly
 65 70 75 80

Leu His Tyr Ser Asp Glu Asp Ile Cys Asn Lys Tyr Asn Gly Ala Val
 85 90 95

Leu Thr Glu Ser Val Ser Leu Lys Glu Lys Ser Ala Asp Ala Ser Glu
 100 105 110

Ser Glu Ala Thr Asp Ser Asp Tyr Glu Asp Ala Leu Pro Lys His Ser
 115 120 125

Phe Val Asn His Tyr Met Ser Asp Pro Thr Tyr Tyr Asn Ser Trp Lys
 130 135 140

Arg Arg Ala Gln Gly Pro Arg Thr Cys Ala Ala Gln Val Arg Gly Gly
 145 150 155 160

Gly Gly Leu Arg Gly Gly Arg Ala Ala Ala Pro Gly His His His Ala
 165 170 175

Glu Arg Gly Arg Arg Leu His Pro Arg Trp Pro Arg Arg Ala Asn Xaa
 180 185 190

Ala His Arg Leu Leu Leu Leu Arg Val Ser Lys Ala Pro Arg Leu Pro
 195 200 205

Gln Gly Gly Thr Glu Ala Thr Phe Arg Ser Leu Phe Leu Xaa Arg Gln
 210 215 220

Ser Thr Pro Ile Thr Glu Leu Lys Phe Leu Xaa Lys Lys Lys Lys Ile
 225 230 235 240

<210> 1768

<211> 96

<212> PRT

<213> Homo sapiens

<400> 1768

Met Tyr Leu Pro Cys Gln Met Ala Cys Ser Leu Phe Val Leu Phe Val
 1 5 10 15

Ile Trp Leu Leu Lys Ile Phe Gln Ala Gly Pro Gln Leu Met Ser
 20 25 30

Leu Ala His Gly Ser Ala Thr Leu Val Leu Asp Gly Met Asn Ile Phe
 35 40 45

Gly Pro Ser Gly Tyr Gly Gln Glu Cys Arg Val Ala Cys Asn Tyr Phe
 50 55 60

Arg Lys Cys Arg Val Pro Ser Trp Ala Arg Cys Leu Met Pro Val Ile
 65 70 75 80

Pro Ala Leu Trp Glu Ala Glu Ala Asp Gln Leu Arg Leu Gly Val
 85 90 95

<210> 1769

<211> 57

<212> PRT

<213> Homo sapiens

<400> 1769

Leu Tyr Gln Glu Lys Pro Leu Met Trp Pro Arg Thr Ser Leu Leu Tyr
 1 5 10 15

Val Val Pro Arg Trp Leu Leu Pro Cys Ser Ser Leu Pro Cys Pro Leu
 20 25 30

Pro Glu Ile Lys Asn Ser Leu Thr Glu Lys Lys Lys Lys Lys Lys

35

40

45

Asn Lys Lys Lys Lys Gly Arg Pro
 50 55

<210> 1770

<211> 104

<212> PRT

<213> Homo sapiens

<400> 1770

Met Tyr Leu Pro Cys Gln Met Ala Cys Ser Leu Phe Val Leu Phe Val
 1 5 10 15

Ile Trp Leu Leu Lys Ile Phe Gln Ala Gly Pro Gln Leu Met Ser
 20 25 30

Leu Ala His Gly Ser Ala Thr Leu Val Leu Asp Gly Met Asn Ile Phe
 35 40 45

Gly Pro Ser Gly Tyr Gly Gln Glu Cys Arg Val Ala Cys Asn Tyr Phe
 50 55 60

Arg Lys Cys Arg Val Pro Ser Trp Ala Arg Cys Leu Met Pro Val Ile
 65 70 75 80

Pro Ala Leu Trp Glu Ala Glu Ala Gly Arg Ser Ala Glu Val Arg Ser
 85 90 95

Leu Arg Pro Ala Trp Pro Thr Trp
 100

<210> 1771

<211> 206

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (198)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (200)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (206)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1771 .
Met Ala Asn Phe Lys Gly His Ala Leu Pro Gly Ser Phe Phe Leu Ile
1 5 10 15

Ile Gly Leu Cys Trp Ser Val Lys Tyr Pro Leu Lys Tyr Phe Ser His
 20 25 30

Thr Arg Lys Asn Ser Pro Leu His Tyr Tyr Gln Arg Leu Glu Ile Val
35 40 45

Glu Ala Ala Ile Arg Thr Leu Phe Ser Val Thr Val Ser Gly Ile Val
50 55 . 60

Asp Met Leu Thr Tyr Leu Val Ser His Val Pro Leu Gly Val Asp Arg
65 70 75 80

Leu Val Met Ala Val Ala Val Phe Met Glu Gly Phe Leu Phe Tyr Tyr
85 90 95

His Val His Asn Arg Pro Pro Leu Asp Gln His Ile His Ser Leu Leu
 100 105 110

Leu Tyr Ala Leu Phe Gly Gly Cys Val Ser Ile Ser Leu Glu Val Ile
115 120 125

Phe Arg Asp His Ile Val Leu Glu Leu Phe Arg Thr Ser Leu Ile Ile
130 135 140

Leu Gln Gly Thr Trp Phe Trp Gln Ile Gly Phe Val Leu Phe Pro Pro
145 150 155 160

Phe Gly Thr Pro Glu Trp Asp Gln Lys Asp Asp Ala Asn Leu Met Xaa
165 170 175

Ile Thr Met Xaa Phe Cys Cys Thr Thr Trp Leu Xaa Xaa Thr Leu Trp
180 185 190

Pro Gln Leu Phe Ser Xaa Tyr Xaa Leu Phe Asp Ser Asp Xaa
195 200 205

<210> 1772
<211> 275

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1772

Met Ala Asn Phe Lys Gly His Ala Leu Pro Gly Ser Phe Phe Leu Ile
1 5 10 15

Ile Gly Leu Cys Trp Ser Val Lys Tyr Pro Leu Lys Tyr Phe Ser His
20 25 30

Thr Arg Lys Asn Ser Pro Leu His Tyr Tyr Gln Arg Leu Glu Ile Val
35 40 45

Glu Ala Ala Ile Arg Thr Leu Phe Ser Val Xaa Gly Ile Leu Ala Glu
50 55 60

Gln Phe Val Pro Asp Gly Pro His Leu His Leu Tyr His Glu Asn His
65 70 75 80

Trp Ile Lys Leu Met Asn Trp Gln His Ser Thr Met Tyr Leu Phe Phe
85 90 95

Ala Val Ser Gly Ile Val Asp Met Leu Thr Tyr Leu Val Ser His Val
100 105 110

Pro Leu Gly Val Asp Arg Leu Val Met Ala Val Ala Val Phe Met Glu
115 120 125

Gly Phe Leu Phe Tyr Tyr His Val His Asn Arg Pro Pro Leu Asp Gln
130 135 140

His Ile His Ser Leu Leu Tyr Ala Leu Phe Gly Gly Cys Val Ser
145 150 155 160

Ile Ser Leu Glu Val Ile Phe Arg Asp His Ile Val Leu Glu Leu Phe
165 170 175

Arg Thr Ser Leu Ile Ile Leu Gln Gly Thr Trp Phe Trp Gln Ile Gly
180 185 190

Phe Val Leu Phe Pro Pro Phe Gly Thr Pro Glu Trp Asp Gln Lys Asp
195 200 205

Asp Ala Asn Leu Met Phe Ile Thr Met Cys Phe Cys Trp His Tyr Leu
210 215 220

Ala Ala Leu Ser Ile Val Ala Val Asn Tyr Ser Leu Val Tyr Cys Leu
225 230 235 240

Leu Thr Arg Met Lys Arg His Gly Arg Gly Glu Ile Ile Gly Ile Gln
245 250 255

Lys Leu Asn Ser Asp Asp Thr Tyr Gln Thr Ala Leu Leu Ser Gly Ser
260 265 270

Asp Glu Glu
275

<210> 1773

<211> 237

<212> PRT

<213> Homo sapiens

<400> 1773

Met Ala Asn Phe Lys Gly His Ala Leu Pro Gly Ser Phe Phe Leu Ile
1 5 10 15

Ile Gly Leu Cys Trp Ser Val Lys Tyr Pro Leu Lys Tyr Phe Ser His
20 25 30

Thr Arg Lys Asn Ser Pro Leu His Tyr Tyr Gln Arg Leu Glu Ile Val
35 40 45

Glu Ala Ala Ile Arg Thr Leu Phe Ser Val Thr Val Ser Gly Ile Val
50 55 60

Asp Met Leu Thr Tyr Leu Val Ser His Val Pro Leu Gly Val Asp Arg
65 70 75 80

Leu Val Met Ala Val Ala Val Phe Met Glu Gly Phe Leu Phe Tyr Tyr
85 90 95

His Val His Asn Arg Pro Pro Leu Asp Gln His Ile His Ser Leu Leu
100 105 110

Leu Tyr Ala Leu Phe Gly Gly Cys Val Ser Ile Ser Leu Glu Val Ile
115 120 125

Phe Arg Asp His Ile Val Leu Glu Leu Phe Arg Thr Ser Leu Ile Ile
130 135 140

Leu Gln Gly Thr Trp Phe Trp Gln Ile Gly Phe Val Leu Phe Pro Pro
145 150 155 160

Phe Gly Thr Pro Glu Trp Asp Gln Lys Asp Asp Ala Asn Leu Met Phe
165 170 175

Ile Thr Met Cys Phe Cys Trp His Tyr Leu Ala Ala Leu Ser Ile Val
180 185 190

Ala Val Asn Tyr Ser Leu Val Tyr Cys Leu Leu Thr Arg Met Lys Arg
195 200 205

His Gly Arg Gly Glu Ile Ile Gly Ile Gln Lys Leu Asn Ser Asp Asp
210 215 220

Thr Tyr Gln Thr Ala Leu Leu Ser Gly Ser Asp Glu Glu
225 230 235

<210> 1774

<211> 69

<212> PRT
<213> Homo sapiens

<400> 1774
Met His Gly Met His Ala Ala Gly Thr Gly Thr Glu Leu Thr Leu Ser
1 5 10 15

Gly Cys Gln Pro Leu Ser Thr Leu Leu Leu Leu Tyr Tyr Cys
20 25 30

Pro Ser Phe Val His Ser Ile Asn Met Cys Lys Ala Ala Ala Leu Ser
35 40 45

Leu Pro Trp Ala Ala Gly Gln His Arg Gly Gly Leu Ser Gly Gly Ala
50 55 60

Gly Glu Arg Met Ala
65

<210> 1775
<211> 69
<212> PRT
<213> Homo sapiens

<400> 1775
Met His Gly Met His Ala Ala Gly Thr Gly Thr Glu Leu Thr Leu Ser
1 5 10 15

Gly Cys Gln Pro Leu Ser Thr Leu Leu Leu Leu Tyr Tyr Cys
20 25 30

Pro Ser Phe Val His Ser Ile Asn Met Cys Lys Ala Ala Ala Leu Ser
35 40 45

Leu Pro Trp Ala Ala Gly Gln His Arg Gly Gly Leu Ser Gly Gly Ala
50 55 60

Gly Glu Arg Met Ala
65

<210> 1776
<211> 222
<212> PRT
<213> Homo sapiens

<400> 1776
Met Thr Gly Gln Ile Pro Arg Leu Ser Lys Val Asn Leu Phe Thr Leu
1 5 10 15

Leu Ser Leu Trp Met Glu Leu Phe Pro Ala Glu Ala Gln Arg Gln Lys
20 25 30

Ser Gln Lys Asn Glu Glu Gly Lys His Gly Pro Leu Gly Asp Asn Glu
35 40 45

Glu Arg Thr Arg Val Ser Thr Asp Lys Arg Gln Val Lys Arg Thr Gly

50

55

60

Leu Val Val Val Lys Asn Met Lys Ile Val Gly Leu His Cys Ser Ser
 65 70 75 80

Glu Asp Leu His Ala Gly Gln Ile Ala Leu Ile Lys His Gly Ser Arg
 85 90 95

Leu Lys Asn Cys Asp Leu Tyr Phe Ser Arg Lys Pro Cys Ser Ala Cys
 100 105 110

Leu Lys Met Ile Val Asn Ala Gly Val Asn Arg Ile Ser Tyr Trp Pro
 115 120 125

Ala Asp Pro Glu Ile Ser Leu Leu Thr Glu Ala Ser Ser Ser Glu Asp
 130 135 140

Ala Lys Leu Asp Ala Lys Ala Val Glu Arg Leu Lys Ser Asn Ser Arg
 145 150 155 160

Ala His Val Cys Val Leu Leu Gln Pro Leu Val Cys Tyr Met Val Gln
 165 170 175

Phe Val Glu Glu Thr Ser Tyr Lys Cys Asp Phe Ile Gln Lys Ile Thr
 180 185 190

Lys Thr Leu Pro Asp Ala Asn Thr Asp Phe Tyr Tyr Glu Cys Lys Gln
 195 200 205

Glu Arg Ile Lys Glu Tyr Glu Met Leu Lys Lys Lys Lys Lys
 210 215 220

<210> 1777

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1777

Ile Leu Lys Val Leu Lys Val Trp Ser Phe Gln Leu Phe Gln Ile Ala
 1 5 10 15

Val Cys Asp Phe Ser His Phe Tyr Leu Leu Arg Asn Ile His Lys Ile
 20 25 30

Ile Pro Lys Met Lys Val His Phe Leu Phe Ser Pro Arg Leu Glu Arg
 35 40 45

Gly Gly Leu Gly Cys Phe Met Arg Asn Val Phe Leu Asp Leu Arg Trp

50

55

60

Ser Gly Leu Pro Leu Leu Xaa Phe Pro Ala Phe Pro Pro His His Thr
 65 . 70 75 80

Ala Ser Leu Gly Phe Leu Pro Val Ser Gln Asn Tyr Thr His Asp His
 85 90 95

Pro Asn Ile Gly Ser Met Pro Xaa Leu
 100 105

<210> 1778

<211> 489

<212> PRT

<213> Homo sapiens

<400> 1778

Met Thr Gly Gln Ile Pro Arg Leu Ser Lys Val Asn Leu Phe Thr Leu
 1 5 10 15

Leu Ser Leu Trp Met Glu Leu Phe Pro Ala Glu Ala Gln Arg Gln Lys
 20 25 30

Ser Gln Lys Asn Glu Glu Gly Lys His Gly Pro Leu Gly Asp Asn Glu
 35 40 45

Glu Arg Thr Arg Val Ser Thr Asp Lys Arg Gln Val Lys Arg Thr Gly
 50 55 60

Leu Val Val Val Lys Asn Met Lys Ile Val Gly Leu His Cys Ser Ser
 65 70 75 80

Glu Asp Leu His Ala Gly Gln Ile Ala Leu Ile Lys His Gly Ser Arg
 85 90 95

Leu Lys Asn Cys Asp Leu Tyr Phe Ser Arg Lys Pro Cys Ser Ala Cys
 100 105 110

Leu Lys Met Ile Val Asn Ala Gly Val Asn Arg Ile Ser Tyr Trp Pro
 115 120 125

Ala Asp Pro Glu Ile Ser Leu Leu Thr Glu Ala Ser Ser Ser Glu Asp
 130 135 140

Ala Lys Leu Asp Ala Lys Ala Val Glu Arg Leu Lys Ser Asn Ser Arg
 145 150 155 160

Ala His Val Cys Val Leu Leu Gln Pro Leu Val Cys Tyr Met Val Gln
 165 170 175

Phe Val Glu Glu Thr Ser Tyr Lys Cys Asp Phe Ile Gln Lys Ile Thr
 180 185 190

Lys Thr Leu Pro Asp Ala Asn Thr Asp Phe Tyr Tyr Glu Cys Lys Gln
 195 200 205

Glu Arg Ile Lys Glu Tyr Glu Met Leu Phe Leu Val Ser Asn Glu Glu
 210 215 220

Met His Lys Gln Ile Leu Met Thr Ile Gly Leu Glu Asn Leu Cys Glu
 225 230 235 240
 Asn Pro Tyr Phe Ser Asn Leu Arg Gln Asn Met Lys Asp Leu Ile Leu
 245 250 255
 Leu Leu Ala Thr Val Ala Ser Ser Val Pro Asn Phe Lys His Phe Gly
 260 265 270
 Phe Tyr Arg Ser Asn Pro Glu Gln Ile Asn Glu Ile His Asn Gln Ser
 275 280 285
 Leu Pro Gln Glu Ile Ala Arg His Cys Met Val Gln Ala Arg Leu Leu
 290 295 300
 Ala Tyr Arg Thr Glu Asp His Lys Thr Gly Val Gly Ala Val Ile Trp
 305 310 315 320
 Ala Glu Gly Lys Ser Arg Ser Cys Asp Gly Thr Gly Ala Met Tyr Phe
 325 330 335
 Val Gly Cys Gly Tyr Asn Ala Phe Pro Val Gly Ser Glu Tyr Ala Asp
 340 345 350
 Phe Pro His Met Asp Asp Lys Gln Lys Asp Arg Glu Ile Arg Lys Phe
 355 360 365
 Arg Tyr Ile Ile His Ala Glu Gln Asn Ala Leu Thr Phe Arg Cys Gln
 370 375 380
 Glu Ile Lys Pro Glu Glu Arg Ser Met Ile Phe Val Thr Lys Cys Pro
 385 390 395 400
 Cys Asp Glu Cys Val Pro Leu Ile Lys Gly Ala Gly Ile Lys Gln Ile
 405 410 415
 Tyr Ala Gly Asp Val Asp Val Gly Lys Lys Lys Ala Asp Ile Ser Tyr
 420 425 430
 Met Arg Phe Gly Glu Leu Glu Gly Val Ser Lys Phe Thr Trp Gln Leu
 435 440 445
 Asn Pro Ser Gly Ala Tyr Gly Leu Glu Gln Asn Glu Pro Glu Arg Arg
 450 455 460
 Glu Asn Gly Val Leu Arg Pro Val Pro Gln Lys Glu Glu Gln His Gln
 465 470 475 480
 Asp Lys Lys Leu Arg Leu Gly Ile His
 485

<210> 1779
 <211> 267
 <212> PRT
 <213> Homo sapiens

<400> 1779

Met Thr Gly Gln Ile Pro Arg Leu Ser Lys Val Asn Leu Phe Thr Leu
 1 5 10 15

Leu Ser Leu Trp Met Glu Leu Phe Pro Ala Glu Ala Gln Arg Gln Lys
 20 25 30

Ser Gln Lys Asn Glu Glu Gly Lys His Gly Pro Leu Gly Asp Asn Glu
 35 40 45

Glu Arg Thr Arg Val Ser Thr Asp Lys Arg Gln Val Lys Arg Thr Gly
 50 55 60

Leu Val Val Val Lys Asn Met Lys Ile Val Gly Leu His Cys Ser Ser
 65 70 75 80

Glu Asp Leu His Ala Gly Gln Ile Ala Leu Ile Lys His Gly Ser Arg
 85 90 95

Leu Lys Asn Cys Asp Leu Tyr Phe Ser Arg Lys Pro Cys Ser Ala Cys
 100 105 110

Leu Lys Met Ile Val Asn Ala Gly Val Asn Arg Ile Ser Tyr Trp Pro
 115 120 125

Ala Asp Pro Glu Ile Ser Leu Leu Thr Glu Ala Ser Ser Ser Glu Asp
 130 135 140

Ala Lys Leu Asp Ala Lys Ala Val Glu Arg Leu Lys Ser Asn Ser Arg
 145 150 155 160

Ala His Val Cys Val Leu Leu Gln Pro Leu Val Cys Tyr Met Val Gln
 165 170 175

Phe Val Glu Glu Thr Ser Tyr Lys Cys Asp Phe Ile Gln Lys Ile Thr
 180 185 190

Lys Thr Leu Pro Asp Ala Asn Thr Asp Phe Tyr Tyr Glu Cys Lys Gln
 195 200 205

Glu Arg Ile Lys Glu Tyr Glu Met Leu Phe Leu Val Ser Asn Glu Glu
 210 215 220

Met His Lys Gln Ile Leu Met Thr Ile Gly Leu Glu Asn Leu Cys Glu
 225 230 235 240

Asn Pro Tyr Phe Ser Asn Leu Arg Gln Asn Met Lys Asp Leu Ile Leu
 245 250 255

Leu Leu Ala Thr Val Ala Ser Met Cys Arg Leu
 260 265

<210> 1780
 <211> 196
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (179)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (191)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1780

Met Tyr Leu Leu Glu Gln Ile Asp Met His Gly Phe Gly Gly Thr Ala
1 5 10 15Ala Thr Ser Pro Leu Thr Ala Val Phe Ser Leu Ser Arg Ser Leu Leu
20 25 30Ala Ala Ala Leu Leu Tyr Gly Phe Cys Leu Gly Ala Ile Lys Thr Pro
35 40 45Trp Pro Glu Gln His Val Pro Val Leu Phe Ser Val Phe Cys Gly Leu
50 55 60Leu Val Ala Leu Ser Tyr His Leu Ser Arg Gln Ser Ser Asp Pro Thr
65 70 75 80Val Leu Trp Ser Leu Ile Arg Ser Lys Leu Phe Pro Glu Leu Glu Glu
85 90 95Arg Ser Leu Glu Thr Ala Arg Ala Glu Pro Pro Asp Pro Leu Pro Asp
100 105 110Lys Met Arg Gln Ser Val Arg Glu Val Leu His Ser Asp Leu Val Met
115 120 125Cys Val Val Ile Ala Val Leu Thr Phe Ala Ile Ser Ala Ser Thr Val
130 135 140

Phe Ile Ala Leu Lys Ser Val Leu Gly Phe Val Leu Xaa Ala Leu Ala
 145 150 155 160

Gly Gly Arg Gly Leu Leu His Thr Xaa Pro Xaa Xaa Thr Xaa Pro Gln
 165 170 175

Asn Ser Xaa Pro Gly Ser Ala Cys His Ser Arg Ala Glu Thr Xaa Gly
 180 185 190

Ile Gln Pro Gly
 195

<210> 1781

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1781

His Ile Ile Ser Ala His Val Ser Phe Thr Arg Lys Leu Ile Leu Tyr
 1 5 10 15

Ser Asn Thr Trp Gln Xaa Ala Gly Ser Arg Ala Leu Arg Val Thr Leu
 20 25 30

Ala Asp Gln Ser Pro Ile Pro Pro Phe Trp Val Val Gly Ser Leu Phe
 35 40 45

Cys Pro Arg Xaa Ala Glu Ala Ser Glu Ser Leu Ser Val Pro
 50 55 60

<210> 1782

<211> 577

<212> PRT

<213> Homo sapiens

<400> 1782

Met Tyr Leu Leu Glu Gln Ile Asp Met His Gly Phe Gly Gly Thr Ala
 1 5 10 15

Ala Thr Ser Pro Leu Thr Ala Val Phe Ser Leu Ser Arg Ser Leu Leu
 20 25 30

Ala Ala Ala Leu Leu Tyr Gly Phe Cys Leu Gly Ala Ile Lys Thr Pro
 35 40 45

Trp Pro Glu Gln His Val Pro Val Leu Phe Ser Val Phe Cys Gly Leu
 50 55 60
 Leu Val Ala Leu Ser Tyr His Leu Ser Arg Gln Ser Ser Asp Pro Thr
 65 70 75 80
 Val Leu Trp Ser Leu Ile Arg Ser Lys Leu Phe Pro Glu Leu Glu Glu
 85 90 95
 Arg Ser Leu Glu Thr Ala Arg Ala Glu Pro Pro Asp Pro Leu Pro Asp
 100 105 110
 Lys Met Arg Gln Ser Val Arg Glu Val Leu His Ser Asp Leu Val Met
 115 120 125
 Cys Val Val Ile Ala Val Leu Thr Phe Ala Ile Ser Ala Ser Thr Val
 130 135 140
 Phe Ile Ala Leu Lys Ser Val Leu Gly Phe Val Leu Tyr Ala Leu Ala
 145 150 155 160
 Gly Ala Val Gly Phe Phe Thr His Tyr Leu Leu Pro Gln Leu Arg Lys
 165 170 175
 Gln Leu Pro Trp Phe Cys Leu Ser Gln Pro Val Leu Lys Pro Leu Glu
 180 185 190
 Tyr Ser Gln Tyr Glu Val Arg Gly Ala Ala Gln Val Met Trp Phe Glu
 195 200 205
 Lys Leu Tyr Ala Gly Leu Gln Cys Val Glu Lys Tyr Leu Ile Tyr Pro
 210 215 220
 Ala Val Val Leu Asn Ala Leu Thr Val Asp Ala His Thr Val Val Ser
 225 230 235 240
 His Pro Asp Lys Tyr Cys Phe Tyr Cys Arg Ala Leu Leu Met Thr Val
 245 250 255
 Ala Gly Leu Lys Leu Leu Arg Ser Ala Phe Cys Cys Pro Pro Gln Gln
 260 265 270
 Tyr Leu Thr Leu Ala Phe Thr Val Leu Leu Phe His Phe Asp Tyr Pro
 275 280 285
 Arg Leu Ser Gln Gly Phe Leu Leu Asp Tyr Phe Leu Met Ser Leu Leu
 290 295 300
 Cys Ser Lys Leu Trp Asp Leu Leu Tyr Lys Leu Arg Phe Val Leu Thr
 305 310 315 320
 Tyr Ile Ala Pro Trp Gln Ile Thr Trp Gly Ser Ala Phe His Ala Phe
 325 330 335
 Ala Gln Pro Phe Ala Val Pro His Ser Ala Met Leu Phe Val Gln Ala
 340 345 350
 Leu Leu Ser Gly Leu Phe Ser Thr Pro Leu Asn Pro Leu Leu Gly Ser
 355 360 365

Ala Val Phe Ile Met Ser Tyr Ala Arg Pro Leu Lys Phe Trp Glu Arg
 370 375 380
 Asp Tyr Asn Thr Lys Arg Val Asp His Ser Asn Thr Arg Leu Val Thr
 385 390 395 400
 Gln Leu Asp Arg Asn Pro Gly Ala Asp Asp Asn Leu Asn Ser Ile
 405 410 415
 Phe Tyr Glu His Leu Thr Arg Ser Leu Gln His Thr Leu Cys Gly Asp
 420 425 430
 Leu Val Leu Gly Arg Trp Gly Asn Tyr Gly Pro Gly Asp Cys Phe Val
 435 440 445
 Leu Ala Ser Asp Tyr Leu Asn Ala Leu Val His Leu Ile Glu Val Gly
 450 455 460
 Asn Gly Leu Val Thr Phe Gln Leu Arg Gly Leu Glu Phe Arg Gly Thr
 465 470 475 480
 Tyr Cys Gln Gln Arg Glu Val Glu Ala Ile Thr Glu Gly Val Glu Glu
 485 490 495
 Asp Glu Gly Cys Cys Cys Glu Pro Gly His Leu Pro Arg Val Leu
 500 505 510
 Ser Phe Asn Ala Ala Phe Gly Gln Arg Trp Leu Ala Trp Glu Val Thr
 515 520 525
 Ala Ser Lys Tyr Val Leu Glu Gly Tyr Ser Ile Ser Asp Asn Asn Ala
 530 535 540
 Ala Ser Met Leu Gln Val Phe Asp Leu Arg Lys Ile Leu Ile Thr Tyr
 545 550 555 560
 Tyr Val Lys Val Arg Trp Ala Gly Val Ala Gly Gln Gln Gly Pro Cys
 565 570 575
 Gly

<210> 1783
 <211> 177
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (145)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (175)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1783

Met Lys Leu Leu Leu Leu His Pro Ala Phe Gln Ser Cys Leu Leu Leu
 1 5 10 15
 Thr Leu Leu Gly Leu Trp Arg Thr Thr Pro Glu Ala His Ala Ser Ser
 20 25 30
 Pro Gly Ala Pro Ala Ile Ser Ala Ala Ser Phe Leu Gln Asp Leu Ile
 35 40 45
 His Arg Tyr Gly Glu Gly Asp Ser Leu Thr Leu Gln Gln Leu Lys Ala
 50 55 60
 Leu Leu Asn His Leu Asp Val Gly Val Gly Arg Gly Asn Val Thr Gln
 65 70 75 80
 His Val Gln Gly His Arg Asn Leu Ser Thr Cys Phe Ser Ser Gly Asp
 85 90 95
 Leu Phe Thr Ala His Asn Phe Ser Glu Gln Ser Arg Ile Gly Ser Ser
 100 105 110
 Glu Leu Gln Glu Phe Cys Pro Thr Ile Leu Gln Gln Leu Asp Ser Arg
 115 120 125
 Ala Cys Thr Ser Glu Asn Gln Glu Asn Glu Glu Asn Glu Gln Thr Glu
 130 135 140
 Xaa Gly Arg Pro Ser Ala Val Glu Val Trp Gly Tyr Gly Leu Leu Cys
 145 150 155 160
 Val Thr Val Ser Pro Ser Ala Pro Ser Trp Gly Pro Ala Trp Xaa Pro
 165 170 175
 Ser

<210> 1784
 <211> 492
 <212> PRT
 <213> Homo sapiens

<400> 1784
 Met Lys Leu Leu Leu Leu His Pro Ala Phe Gln Ser Cys Leu Leu Leu
 1 5 10 15
 Thr Leu Leu Gly Leu Trp Arg Thr Thr Pro Glu Ala His Ala Ser Ser
 20 25 30
 Pro Gly Ala Pro Ala Ile Ser Ala Ala Ser Phe Leu Gln Asp Leu Ile
 35 40 45
 His Arg Tyr Gly Glu Gly Asp Ser Leu Thr Leu Gln Gln Leu Lys Ala
 50 55 60
 Leu Leu Asn His Leu Asp Val Gly Val Gly Arg Gly Asn Val Thr Gln
 65 70 75 80
 His Val Gln Gly His Arg Asn Leu Ser Thr Cys Phe Ser Ser Gly Asp

85

90

95

Leu Phe Thr Ala His Asn Phe Ser Glu Gln Ser Arg Ile Gly Ser Ser
 100 105 110

Glu Leu Gln Glu Phe Cys Pro Thr Ile Leu Gln Gln Leu Asp Ser Arg
 115 120 125

Ala Cys Thr Ser Glu Asn Gln Glu Asn Glu Glu Asn Gln Thr Glu
 130 135 140

Glu Gly Arg Pro Ser Ala Val Glu Val Trp Gly Tyr Gly Leu Leu Cys
 145 150 155 160

Val Thr Val Ile Ser Leu Cys Ser Leu Leu Gly Ala Ser Val Val Pro
 165 170 175

Phe Met Lys Lys Thr Phe Tyr Lys Arg Leu Leu Tyr Phe Ile Ala
 180 185 190

Leu Ala Ile Gly Thr Leu Tyr Ser Asn Ala Leu Phe Gln Leu Ile Pro
 195 200 205

Glu Ala Phe Gly Phe Asn Pro Leu Glu Asp Tyr Tyr Val Ser Lys Ser
 210 215 220

Ala Val Val Phe Gly Gly Phe Tyr Leu Phe Phe Thr Glu Lys Ile
 225 230 235 240

Leu Lys Ile Leu Leu Lys Gln Lys Asn Glu His His His Gly His Ser
 245 250 255

His Tyr Ala Ser Glu Ser Leu Pro Ser Lys Lys Asp Gln Glu Glu Gly
 260 265 270

Val Met Glu Lys Leu Gln Asn Gly Asp Leu Asp His Met Ile Pro Gln
 275 280 285

His Cys Ser Ser Glu Leu Asp Gly Lys Ala Pro Met Val Asp Glu Lys
 290 295 300

Val Ile Val Gly Ser Leu Ser Val Gln Asp Leu Gln Ala Ser Gln Ser
 305 310 315 320

Ala Cys Tyr Trp Leu Lys Gly Val Arg Tyr Ser Asp Ile Gly Thr Leu
 325 330 335

Ala Trp Met Ile Thr Leu Ser Asp Gly Leu His Asn Phe Ile Asp Gly
 340 345 350

Leu Ala Ile Gly Ala Ser Phe Thr Val Ser Val Phe Gln Gly Ile Ser
 355 360 365

Thr Ser Val Ala Ile Leu Cys Glu Glu Phe Pro His Glu Leu Gly Asp
 370 375 380

Phe Val Ile Leu Leu Asn Ala Gly Met Ser Ile Gln Gln Ala Leu Phe
 385 390 395 400

Phe Asn Phe Leu Ser Ala Cys Cys Tyr Leu Gly Leu Ala Phe Gly

405

410

415

Ile Leu Ala Gly Ser His Phe Ser Ala Asn Trp Ile Phe Ala Leu Ala
 420 425 430

Gly Gly Met Phe Leu Tyr Ile Ser Leu Ala Asp Met Phe Pro Glu Met
 435 440 445

Asn Glu Val Cys Gln Glu Asp Glu Arg Lys Gly Ser Ile Leu Ile Pro
 450 455 460

Phe Ile Ile Gln Asn Leu Gly Leu Leu Thr Gly Phe Thr Ile Met Val
 465 470 475 480

Val Leu Thr Met Tyr Ser Gly Gln Ile Gln Ile Gly
 485 490

<210> 1785

<211> 192

<212> PRT

<213> Homo sapiens

<400> 1785

Met Gly Lys Ile Ser Val Ser Phe Leu Ile Phe Ala Phe Leu Phe Lys
 1 5 10 15

Gly Phe Ser Ile Gly Lys Ala Thr Asp Arg Met Asp Ala Phe Arg Lys
 20 25 30

Ala Lys Asn Arg Ala Val His His Leu His Tyr Ile Glu Arg Tyr Glu
 35 40 45

Asp His Thr Ile Phe His Asp Ile Ser Leu Arg Phe Lys Arg Thr His
 50 55 60

Ile Lys Met Lys Lys Gln Pro Lys Gly Tyr Gly Leu Arg Cys His Arg
 65 70 75 80

Ala Ile Ile Thr Ile Cys Arg Leu Ile Gly Ile Lys Asp Met Tyr Ala
 85 90 95

Lys Val Ser Gly Ser Ile Asn Met Leu Ser Leu Thr Gln Gly Leu Phe
 100 105 110

Arg Gly Leu Ser Arg Gln Glu Thr His Gln Gln Leu Ala Asp Lys Lys
 115 120 125

Gly Leu His Val Val Glu Ile Arg Glu Glu Cys Gly Pro Leu Pro Ile
 130 135 140

Val Val Ala Ser Pro Arg Gly Pro Leu Arg Lys Asp Pro Glu Pro Glu
 145 150 155 160

Asp Glu Val Pro Asp Val Lys Leu Asp Trp Glu Asp Val Lys Thr Ala
 165 170 175

Gln Gly Met Lys Arg Ser Val Trp Ser Asn Leu Lys Arg Ala Ala Thr
 180 185 190

<210> 1786

<211> 192

<212> PRT

<213> Homo sapiens

<400> 1786

Met	Gly	Lys	Ile	Ser	Val	Ser	Phe	Leu	Ile	Phe	Ala	Phe	Leu	Phe	Lys
1					5				10				15		

Gly	Phe	Ser	Ile	Gly	Lys	Ala	Thr	Asp	Arg	Met	Asp	Ala	Phe	Arg	Lys
				20				25				30			

Ala	Lys	Asn	Arg	Ala	Val	His	His	Leu	His	Tyr	Ile	Glu	Arg	Tyr	Glu
				35				40			45				

Asp	His	Thr	Ile	Phe	His	Asp	Ile	Ser	Leu	Arg	Phe	Lys	Arg	Thr	His
			50				55			60					

Ile	Lys	Met	Lys	Lys	Gln	Pro	Lys	Gly	Tyr	Gly	Leu	Arg	Cys	His	Arg
65					70				75			80			

Ala	Ile	Ile	Thr	Ile	Cys	Arg	Leu	Ile	Gly	Ile	Lys	Asp	Met	Tyr	Ala
				85				90			95				

Lys	Val	Ser	Gly	Ser	Ile	Asn	Met	Leu	Ser	Leu	Thr	Gln	Gly	Leu	Phe
					100			105			110				

Arg	Gly	Leu	Ser	Arg	Gln	Glu	Thr	His	Gln	Gln	Leu	Ala	Asp	Lys	Lys
				115				120			125				

Gly	Leu	His	Val	Val	Glu	Ile	Arg	Glu	Glu	Cys	Gly	Pro	Leu	Pro	Ile
					130			135			140				

Val	Val	Ala	Ser	Pro	Arg	Gly	Pro	Leu	Arg	Lys	Asp	Pro	Glu	Pro	Glu
145					150				155			160			

Asp	Glu	Val	Pro	Asp	Val	Lys	Leu	Asp	Trp	Glu	Asp	Val	Lys	Thr	Ala
				165				170			175				

Gln	Gly	Met	Lys	Arg	Ser	Val	Trp	Ser	Asn	Leu	Lys	Arg	Ala	Ala	Thr
					180			185			190				

<210> 1787

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1787

Met	Ile	Gly	Pro	His	Gly	Tyr	Ile	Ser	Ala	Ser	Asp	Trp	Pro	Leu	Met
1															15

Ile	Phe	Tyr	Met	Val	Met	Cys	Ile	Xaa	Tyr	Ile	Leu	Tyr	Gly	Ile	Leu
														30	
	20							25							

Trp	Leu	Thr	Trp	Ser	Ala	Cys	Tyr	Trp	Lys	Asp	Ile	Leu	Arg	Ile	Gln
								40					45		
	35														

Phe	Trp	Ile	Ala	Ala	Val	Ile	Phe	Leu	Gly	Met	Leu	Glu	Lys	Ala	Val
	50						55					60			

Phe	Tyr	Ser	Glu	Tyr	Gln	Asn	Ile	Ser	Asn	Thr	Gly	Leu	Ser	Thr	Gln
	65						70			75			80		

Gly	Leu	Leu	Ile	Phe	Ala	Glu	Leu	Ile	Ser	Ala	Ile	Lys	Arg	Thr	Leu
									90			95			

Ala	Arg	Leu	Leu	Val	Ile	Ile	Val	Ser	Leu	Gly	Tyr	Gly	Ile	Val	Lys
								100		105		110			

Pro	Arg	Leu	Gly	Thr	Val	Met	His	Arg	Val	Ile	Gly	Leu	Leu		
	115						120			125					

Tyr	Leu	Ile	Phe	Ala	Ala	Val	Glu	Gly	Val	Met	Arg	Val	Ile	Gly	Gly
	130						135			140					

Ser	Asn	His	Leu	Ala	Xaa	Gly	Leu	Asp	Asp	Ile	Ile	Leu	Ala	Val	Ile
	145						150			155		160			

Asp	Ser	Ile	Phe	Val	Trp	Val									
				165											

<210> 1788

<211> 167

<212> PRT

<213> Homo sapiens

<400> 1788

Met	Ile	Gly	Pro	His	Gly	Tyr	Ile	Ser	Ala	Ser	Asp	Trp	Pro	Leu	Met
1															15

Ile	Phe	Tyr	Met	Val	Met	Cys	Ile	Val	Tyr	Ile	Leu	Tyr	Gly	Ile	Leu
	20							25			30				

Trp	Leu	Thr	Trp	Ser	Ala	Cys	Tyr	Trp	Lys	Asp	Ile	Leu	Arg	Ile	Gln
	35							40			45				

Phe	Trp	Ile	Ala	Ala	Val	Ile	Phe	Leu	Gly	Met	Leu	Glu	Lys	Ala	Val

50

55

60

Phe Tyr Ser Glu Tyr Gln Asn Ile Ser Asn Thr Gly Leu Ser Thr Gln
 65 70 75 80

Gly Leu Leu Ile Phe Ala Glu Leu Ile Ser Ala Ile Lys Arg Thr Leu
 85 90 95

Ala Arg Leu Leu Val Ile Ile Val Ser Leu Gly Tyr Gly Ile Val Lys
 100 105 110

Pro Arg Leu Gly Thr Val Met His Arg Val Ile Gly Leu Gly Leu Leu
 115 120 125

Tyr Leu Ile Phe Ala Ala Val Glu Gly Val Met Arg Val Ile Gly Gly
 130 135 140

Ser Asn His Leu Ala Val Val Leu Asp Asp Ile Ile Leu Ala Val Ile
 145 150 155 160

Asp Ser Ile Phe Val Trp Phe
 165

<210> 1789

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1789

Met Val His Tyr Ser Trp Cys Ala Leu Phe Cys His Phe Ala Gln Gly
 1 5 10 15

Thr Cys Leu Gln Asn Ser Phe Gln Ser Gly Leu Val Lys Gly Cys Gln
 20 25 30

Gly Ser Thr Gly Gly Asn Gln Gly Ser Phe Gln Ala Ala Lys Met Ser
 35 40 45

Pro Val Cys Tyr Ser Gly His Thr Gly Trp Leu Ser Arg Pro Trp Ala
 50 55 60

Lys Ser Ile Ser Gln Ser Ala Asp Asp Arg Ser Pro Pro Ser Arg Arg
 65 70 75 80

Thr

<210> 1790

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1790

Met Val His Tyr Ser Trp Cys Ala Leu Phe Cys His Phe Ala Gln Gly
 1 5 10 15

Thr Cys Leu Gln Asn Ser Phe Gln Ser Gly Leu Val Lys Gly Cys Gln
 20 25 30

Gly Ser Thr Gly Gly Asn Gln Gly Ser Phe Gln Ala Ala Lys Met Ser
 35 40 45

Pro Val Cys Tyr Ser Gly His Thr Gly Trp Leu Ser Arg Pro Trp Ala
 50 55 60

Lys Ser Ile Ser Gln Ser Ala Asp Asp Arg Ser Pro Pro Ser Arg Arg
 65 70 75 80

Thr

<210> 1791

<211> 183

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1791

Met Ala Leu Ala Arg Pro Gly Thr Pro Asp Pro Gln Ala Leu Ala Ser
 1 5 10 15

Val Leu Leu Leu Leu Leu Trp Ala Pro Ala Leu Ser Leu Leu Ala Gly
 20 25 30

Thr Val Pro Ser Glu Pro Pro Ser Ala Cys Ala Ser Asp Pro Cys Ala
 35 40 45

Pro Gly Thr Glu Cys Gln Ala Thr Glu Ser Gly Gly Tyr Thr Cys Gly
 50 55 60

Pro Met Glu Pro Arg Gly Cys Ala Thr Gln Xaa Cys His His Gly Ala
 65 70 75 80

Leu Cys Val Pro Gln Gly Pro Asp Pro Asn Gly Phe Arg Cys Tyr Cys
 85 90 95

Val Pro Gly Phe Gln Gly Pro Arg Cys Glu Leu Asp Ile Asp Glu Cys
 100 105 110

Ala Ser Arg Pro Cys His His Gly Ala Thr Leu Pro Xaa Pro Gly Arg
 115 120 125

Ser Leu Arg Val Pro Leu Pro Leu Gly Tyr Ala Ala Pro His Leu Asn
 130 135 140

Pro Leu Ser Tyr Val Trp Gly Ile Pro His Leu Met Arg Gln Arg Leu
 145 150 155 160
 Pro Pro Asp Gly Asp Ser Lys Ala Asn Asp Ser Lys Lys Leu Gly Pro
 165 170 175
 Gln Lys Ile Tyr Ser Gly Lys
 180

<210> 1792

<211> 103

<212> PRT

<213> Homo sapiens

<400> 1792

Met Cys Phe Leu Leu Phe Gly Ser Leu Cys Ile Tyr Tyr Phe Ser Leu
 1 5 10 15

Phe Leu Val Phe Phe Phe Leu Phe Leu Phe Cys Leu Val Phe Cys
 20 25 30

Ser Cys Leu His Cys Phe Arg Tyr Phe Phe Thr Pro Leu Asp Ser Pro
 35 40 45

Arg Ala Gly Ser Arg Trp Ser Ser Tyr Ala Gln Leu Leu Pro Pro Pro
 50 55 60

Pro Pro Pro Leu Val Glu His Ser Cys Asp Ala Asp Thr Ala Asn Leu
 65 70 75 80

Gln Tyr Pro His Pro Arg Arg Arg Tyr Leu Ser Arg Pro Leu Asn Pro
 85 90 95

Leu Pro Glu Asn Glu Gly Ile
 100

<210> 1793

<211> 103

<212> PRT

<213> Homo sapiens

<400> 1793

Met Cys Phe Leu Leu Phe Gly Ser Leu Cys Ile Tyr Tyr Phe Ser Leu
 1 5 10 15

Phe Leu Val Phe Phe Phe Leu Phe Leu Phe Cys Leu Val Phe Cys
 20 25 30

Ser Cys Leu His Cys Phe Arg Tyr Phe Phe Thr Pro Leu Asp Ser Pro
 35 40 45

Arg Ala Gly Ser Arg Trp Ser Ser Tyr Ala Gln Leu Leu Pro Pro Pro
 50 55 60

Pro Pro Pro Leu Val Glu His Ser Cys Asp Ala Asp Thr Ala Asn Leu
 65 70 75 80

Gln Tyr Pro His Pro Arg Arg Arg Tyr Leu Ser Arg Pro Leu Asn Pro
85 90 95

Leu Pro Glu Asn Glu Gly Ile
100

<210> 1794
<211> 84
<212> PRT
<213> *Homo sapiens*

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1794
Met Gly His Gly Arg Arg Leu Gly Arg His Leu Leu Ala Leu Pro Val.
1 5 10 15

Thr Leu Ser Glu Arg Cys Leu Gly Ser Pro Val Glu Asn Glu Thr His
20 25 30

Ser Arg Asp Gly Thr Glu Leu Pro Asp Gly Ser Arg Glu Pro Ser Ser
35 40 45

Pro Arg Arg Val Ser Glu Ser Arg Val Thr Pro Ala Arg Thr Glu Glu
· 50 · 55 · 60

Pro Pro Ala Glu Pro Ser Leu Thr Pro Asp Leu Arg Xaa Asp Asn Ser
65 . . . 70 . . . 75 . . . 80

Arg Gly Ser Leu

<210> 1795
<211> 84
<212> PRT
<213> *Homo sapiens*

<400> 1795
Met Gly His Gly Arg Arg Leu Gly Arg His Leu Leu Ala Leu Pro Val
1 5 10 15

Thr Leu Ser Glu Arg Cys Leu Gly Ser Pro Val Glu Asn Glu Thr His
20 25 30

Ser Arg Asp Gly Thr Glu Leu Pro Asp Gly Ser Arg Glu Pro Ser Ser
35 40 45

Pro Arg Arg Val Ser Glu Ser Arg Val Thr Pro Ala Arg Thr Glu Glu
50 55 60

Pro	Pro	Ala	Glu	Pro	Ser	Leu	Thr	Pro	Asp	Leu	Arg	Leu	Asp	Asn	Ser
65				70	.				75					80	

Arg Gly Ser Leu

<210> 1796

<211> 116

<212> PRT

<213> Homo sapiens

<400> 1796

Met	Gly	Ser	Gly	Cys	Pro	Ala	Gln	Pro	Thr	Leu	Ser	Pro	Trp	Gly	Ile
1															15

Leu	Ser	Arg	Leu	Leu	Gly	Val	Leu	Ala	Gly	Thr	Ser	Cys	Gly	Val	Ser
			20				25							30	

Thr	Pro	Ala	Ala	Ala	Gln	Gly	Gly	Pro	Glu	Ile	Gly	Cys	Arg	Ala	Pro
								40						45	

His	Leu	His	Leu	Ser	Gly	His	Ala	Pro	Leu	Ala	Cys	Pro	Cys	Ser	Phe
														50	

55

60

Leu	Pro	Thr	Ser	Leu	Gly	Gly	Val	Cys	Val	Ser	Ala	Pro	Ala	Pro	Ala
65														80	

70

75

Leu	Leu	Ser	Trp	Gly	Thr	Leu	Pro	Ala	Ile	Trp	Tyr	Trp	Gly	Cys	Pro
														95	

85

90

His	Cys	Leu	Val	Leu	Gly	Pro	Gly	Pro	Ala	His	Ser	Gly	Leu	Ala	Leu
														110	

100

105

Leu Val Cys Ser
115

<210> 1797

<211> 171

<212> PRT

<213> Homo sapiens

<400> 1797

Gly	Pro	Trp	Pro	Leu	Cys	Lys	Ala	Gln	Arg	Cys	Ala	Pro	Asp	Gln	Pro
1															15

5

10

15

Ser	Gly	Leu	Pro	Trp	Ala	Arg	Leu	Gly	Val	Arg	Val	Ala	His	Trp	Gly
														30	

20

25

30

Gly	Gly	Gly	Leu	Ala	Arg	His	Ser	Thr	Leu	Ala	Gly	Gly	Pro	Ser	Gln
															45

35

40

45

Arg	Glu	Pro	Cys	Arg	Leu	Arg	Trp	Ser	Trp	Pro	Leu	Ala	Gly	Cys	Pro
														60	

50

55

60

Gly	Ser	Ala	Pro	Pro	Leu	Gln	Gly	Pro	Ser	Arg	Asn	Leu	Leu	Asn
														80

65

70

75

Gly	Lys	Ser	Tyr	Pro	Thr	Lys	Val	Arg	Leu	Ile	Arg	Gly	Gly	Ser	Leu
															1150

1150

85

90

95

Pro Pro Val Lys Arg Arg Arg Met Asn Trp Ile Asp Ala Pro Asp Asp
 100 105 110

Val Phe Tyr Met Ala Thr Glu Glu Thr Arg Lys Ile Arg Lys Leu Leu
 115 120 125

Ser Ser Ser Glu Thr Lys Arg Ala Ala Arg Arg Pro Tyr Lys Pro Ile
 130 135 140

Ala Leu Arg Gln Ser Gln Ala Leu Pro Pro Arg Pro Pro Pro Ala
 145 150 155 160

Pro Val Asn Asp Glu Pro Ile Val Ile Glu Asp
 165 170

<210> 1798

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1798

Met Leu Tyr Pro Arg Ile Phe Thr Asn Arg Gly Glu Leu Leu Pro Phe
 1 5 10 15

Leu Phe Leu Thr Val Trp Leu Trp Leu Tyr Lys Leu Leu Phe Gly Glu
 20 25 30

Ser Pro Arg Tyr Pro Asn Val Ile Gly Lys Thr Tyr Phe Phe Trp
 35 40 45

Thr Asp Gln Ile Ser Arg Glu Ser Arg Phe Leu Glu Arg Leu Ala Phe
 50 55 60

Ile Val Ser Glu Asn Cys Leu Ile Phe Leu Ile His Ala Ile Thr Gly
 65 70 75 80

Gln

<210> 1799

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1799

Met Leu Tyr Pro Arg Ile Phe Thr Asn Arg Gly Glu Leu Leu Pro Phe
 1 5 10 15

Leu Phe Leu Thr Val Trp Leu Trp Leu Tyr Lys Leu Leu Phe Gly Glu
 20 25 30

Ser Pro Arg Tyr Pro Asn Val Ile Gly Lys Thr Tyr Phe Phe Trp
 35 40 45

Thr Asp Gln Ile Ser Arg Glu Ser Arg Phe Leu Glu Arg Leu Ala Phe
 50 55 60
 Ile Val Ser Glu Asn Cys Leu Ile Phe Leu Ile His Ala Ile Thr Gly
 65 70 75 80
 Gln

<210> 1800

<211> 149

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids.

<400> 1800

Met Val Leu Leu Trp Ala Ser Val Leu Phe Pro Ala Pro Glu Asp Trp
 1 5 10 15

Ala Glu Leu Gln Gly Ala Val Tyr Arg Leu Leu Val Val Leu Leu Cys
 20 25 30

Cys Leu Ala Thr Arg Lys Leu Pro His Phe Leu His Pro Gln Arg Asn
 35 40 45

Leu Leu Gln Gly Ser Gly Leu Asp Leu Gly Ala Ile Tyr Gln Arg Val
 50 55 60

Glu Gly Phe Ala Ser Gln Pro Glu Ala Ala Leu Arg Ile His Ala Thr
 65 70 75 80

His Leu Gly Arg Ser Pro Pro Pro Arg Ile Gly Ser Gly Leu Lys Ala
 85 90 95

Leu Leu Gln Leu Pro Ala Ser Asp Pro Thr Tyr Trp Ala Thr Ala Tyr
 100 105 110

Phe Asp Val Leu Leu Asp Lys Phe Gln Val Phe Asn Ile Gln Asp Lys
 115 120 125

Asp Arg Ile Ser Ala Met Gln Ser Ile Phe Gln Xaa Thr Arg Thr Leu
 130 135 140

Gly Gly Glu Glu Ser
 145

<210> 1801

<211> 149

<212> PRT

<213> Homo sapiens

<400> 1801

Met Val Leu Leu Trp Ala Ser Val Leu Phe Pro Ala Pro Glu Asp Trp
 1 5 10 15
 Ala Glu Leu Gln Gly Ala Val Tyr Arg Leu Leu Val Val Leu Leu Cys
 20 25 30
 Cys Leu Ala Thr Arg Lys Leu Pro His Phe Leu His Pro Gln Arg Asn
 35 40 45
 Leu Leu Gln Gly Ser Gly Leu Asp Leu Gly Ala Ile Tyr Gln Arg Val
 50 55 60
 Glu Gly Phe Ala Ser Gln Pro Glu Ala Ala Leu Arg Ile His Ala Thr
 65 70 75 80
 His Leu Gly Arg Ser Pro Pro Pro Arg Ile Gly Ser Gly Leu Lys Ala
 85 90 95
 Leu Leu Gln Leu Pro Ala Ser Asp Pro Thr Tyr Trp Ala Thr Ala Tyr
 100 105 110
 Phe Asp Val Leu Leu Asp Lys Phe Gln Val Phe Asn Ile Gln Asp Lys
 115 120 125
 Asp Arg Ile Ser Ala Met Gln Ser Ile Phe Gln Lys Thr Arg Thr Leu
 130 135 140
 Gly Gly Glu Glu Ser
 145

<210> 1802

<211> 140

<212> PRT

<213> Homo sapiens

<400> 1802
 Ile Pro Leu Cys Ser Ile Phe Gly Ala Leu Ile Ala Val Cys Leu Ile
 1 5 10 15
 Met Gly Leu Phe Asp Gly Cys Phe Ile Ser Ile Met Ala Pro Ile Ala
 20 25 30
 Phe Glu Leu Val Gly Ala Gln Asp Val Ser Gln Ala Ile Gly Phe Leu
 35 40 45
 Leu Gly Phe Met Ser Ile Pro Met Thr Val Gly Pro Pro Ile Ala Gly
 50 55 60
 Leu Leu Arg Asp Lys Leu Gly Ser Tyr Asp Val Ala Phe Tyr Leu Ala
 65 70 75 80
 Gly Val Pro Pro Leu Ile Gly Gly Ala Val Leu Cys Phe Ile Pro Trp
 85 90 95
 Ile His Ser Lys Lys Gln Arg Glu Ile Ser Lys Thr Thr Gly Lys Glu
 100 105 110
 Lys Met Glu Lys Met Leu Glu Asn Gln Asn Ser Leu Leu Ser Ser Ser

115

120

125

Ser Gly Met Phe Lys Lys Glu Ser Asp Ser Ile Ile
 130 135 140

<210> 1803

<211> 234

<212> PRT

<213> Homo sapiens

<400> 1803

Pro Thr Arg Pro Pro Thr Arg Pro Val Arg Val Ser Val Gly Gly Leu
 1 5 10 15

Val Gly Glu Val Ala Cys Ala Cys Arg Asp Cys Ile Pro Glu Thr Met
 20 25 30

Ala Glu Gly Asp Asn Arg Ser Thr Asn Leu Leu Ala Ala Glu Thr Ala
 35 40 45

Ser Leu Glu Glu Gln Leu Gln Gly Trp Gly Glu Val Met Leu Met Ala
 50 55 60

Asp Lys Val Leu Arg Trp Glu Arg Ala Trp Phe Pro Pro Ala Ile Met
 65 70 75 80

Gly Val Val Ser Leu Val Phe Leu Ile Ile Tyr Tyr Leu Asp Pro Ser
 85 90 95

Val Leu Ser Gly Val Ser Cys Phe Val Met Phe Leu Cys Leu Ala Asp
 100 105 110

Tyr Leu Val Pro Ile Leu Ala Pro Arg Ile Phe Gly Ser Asn Lys Trp
 115 120 125

Thr Thr Glu Gln Gln Gln Arg Phe His Glu Ile Cys Ser Asn Leu Val
 130 135 140

Lys Thr Arg Arg Arg Ala Val Gly Trp Trp Lys Arg Leu Phe Thr Leu
 145 150 155 160

Lys Glu Glu Lys Pro Lys Met Tyr Phe Met Thr Met Ile Val Ser Leu
 165 170 175

Ala Ala Val Ala Trp Val Gly Gln Gln Val His Asn Leu Leu Leu Thr
 180 185 190

Tyr Leu Ile Val Thr Ser Leu Leu Leu Pro Gly Leu Asn Gln His
 195 200 205

Gly Ile Ile Leu Lys Tyr Ile Gly Met Ala Lys Arg Glu Ile Asn Lys
 210 215 220

Leu Leu Lys Gln Lys Glu Lys Lys Asn Glu
 225 230

<210> 1804

<211> 155

<212> PRT

<213> Homo sapiens

<400> 1804

Met	Gly	Val	Val	Ser	Leu	Val	Phe	Leu	Ile	Ile	Tyr	Tyr	Leu	Asp	Pro
1									10					15	

Ser	Val	Leu	Ser	Gly	Val	Ser	Cys	Phe	Val	Met	Phe	Leu	Cys	Leu	Ala
									25				30		

Asp	Tyr	Leu	Val	Pro	Ile	Leu	Ala	Pro	Arg	Ile	Phe	Gly	Ser	Asn	Lys
								40				45			

Trp	Thr	Thr	Glu	Gln	Gln	Gln	Arg	Phe	His	Glu	Ile	Cys	Ser	Asn	Leu
									50	55		60			

Val	Lys	Thr	Arg	Arg	Arg	Ala	Val	Gly	Trp	Trp	Lys	Arg	Leu	Phe	Thr
									65	70	75		80		

Leu	Lys	Glu	Glu	Lys	Pro	Lys	Met	Tyr	Phe	Met	Thr	Met	Ile	Val	Ser
									85	90		95			

Leu	Ala	Ala	Val	Ala	Trp	Val	Gly	Gln	Gln	Val	His	Asn	Leu	Leu	Leu
								100	105			110			

Thr	Tyr	Leu	Ile	Val	Thr	Ser	Leu	Leu	Leu	Pro	Gly	Leu	Asn	Gln	
									115	120		125			

His	Gly	Ile	Ile	Leu	Lys	Tyr	Ile	Gly	Met	Ala	Lys	Arg	Glu	Ile	Asn
									130	135		140			

Lys	Leu	Leu	Lys	Gln	Lys	Glu	Lys	Lys	Asn	Glu					
									145	150		155			

<210> 1805

<211> 202

<212> PRT

<213> Homo sapiens

<400> 1805

Met	Ala	Glu	Gly	Asp	Asn	Arg	Ser	Thr	Asn	Leu	Leu	Ala	Ala	Glu	Thr
1									5	10			15		

Ala	Ser	Leu	Glu	Glu	Gln	Leu	Gln	Gly	Trp	Gly	Glu	Val	Met	Leu	Met
									20	25		30			

Ala	Asp	Lys	Val	Leu	Arg	Trp	Glu	Arg	Ala	Trp	Phe	Pro	Pro	Ala	Ile
									35	40		45			

Met	Gly	Val	Val	Ser	Leu	Val	Phe	Leu	Ile	Ile	Tyr	Tyr	Leu	Asp	Pro
									50	55		60			

Ser	Val	Leu	Ser	Gly	Val	Ser	Cys	Phe	Val	Met	Phe	Leu	Cys	Leu	Ala
									65	70	75		80		

Asp	Tyr	Leu	Val	Pro	Ile	Leu	Ala	Pro	Arg	Ile	Phe	Gly	Ser	Asn	Lys
												1155			

85

90

95

Trp Thr Thr Glu Gln Gln Arg Phe His Glu Ile Cys Ser Asn Leu
 100 105 110

Val Lys Thr Arg Arg Arg Ala Val Gly Trp Trp Lys Arg Leu Phe Thr
 115 120 125

Leu Lys Glu Glu Lys Pro Lys Met Tyr Phe Met Thr Met Ile Val Ser
 130 135 140

Leu Ala Ala Val Ala Trp Val Gly Gln Gln Val His Asn Leu Leu Leu
 145 150 155 160

Thr Tyr Leu Ile Val Thr Ser Leu Leu Leu Pro Gly Leu Asn Gln
 165 170 175

His Gly Ile Ile Leu Lys Tyr Ile Gly Met Ala Lys Arg Glu Ile Asn
 180 185 190

Lys Leu Leu Lys Gln Lys Lys Lys Lys Lys
 195 200

<210> 1806

<211> 485

<212> PRT

<213> Homo sapiens

<400> 1806

Ala Arg Lys Pro Arg Ser Gln Ile Lys Asn Glu Ile Asn Ile Asp Thr
 1 5 10 15

Leu Ala Arg Asp Glu Phe Asn Leu Gln Lys Met Met Val Met Val Thr
 20 25 30

Ala Ser Gly Lys Leu Phe Gly Ile Glu Ser Ser Ser Gly Thr Ile Leu
 35 40 45

Trp Lys Gln Tyr Leu Pro Asn Val Lys Pro Asp Ser Ser Phe Lys Leu
 50 55 60

Met Val Gln Arg Thr Thr Ala His Phe Pro His Pro Pro Gln Cys Thr
 65 70 75 80

Leu Leu Val Lys Asp Lys Glu Ser Gly Met Ser Ser Leu Tyr Val Phe
 85 90 95

Asn Pro Ile Phe Gly Lys Trp Ser Gln Val Ala Pro Pro Val Leu Lys
 100 105 110

Arg Pro Ile Leu Gln Ser Leu Leu Pro Val Met Asp Gln Asp Tyr
 115 120 125

Ala Lys Val Leu Leu Leu Ile Asp Asp Glu Tyr Lys Val Thr Ala Phe
 130 135 140

Pro Ala Thr Arg Asn Val Leu Arg Gln Leu His Glu Leu Ala Pro Ser
 145 150 155 160

Ile Phe Phe Tyr Leu Val Asp Ala Glu Gln Gly Arg Leu Cys Gly Tyr
 165 170 175

Arg Leu Arg Lys Asp Leu Thr Thr Glu Leu Ser Trp Glu Leu Thr Ile
 180 185 190

Pro Pro Glu Val Gln Arg Ile Val Lys Val Lys Gly Lys Arg Ser Ser
 195 200 205

Glu His Val His Ser Gln Gly Arg Val Met Gly Asp Arg Ser Val Leu
 210 215 220

Tyr Lys Ser Leu Asn Pro Asn Leu Leu Ala Val Val Thr Glu Ser Thr
 225 230 235 240

Asp Ala His His Glu Arg Thr Phe Ile Gly Ile Phe Leu Ile Asp Gly
 245 250 255

Val Thr Gly Arg Ile Ile His Ser Ser Val Gln Lys Lys Ala Lys Gly
 260 265 270

Pro Val His Ile Val His Ser Glu Asn Trp Val Val Tyr Gln Tyr Trp
 275 280 285

Asn Thr Lys Ala Arg Arg Asn Glu Phe Thr Val Leu Glu Leu Tyr Glu
 290 295 300

Gly Thr Glu Gln Tyr Asn Ala Thr Ala Phe Ser Ser Leu Asp Arg Pro
 305 310 315 320

Gln Leu Pro Gln Val Leu Gln Gln Ser Tyr Ile Phe Pro Ser Ser Ile
 325 330 335

Ser Ala Met Glu Ala Thr Ile Thr Glu Arg Gly Ile Thr Ser Arg His
 340 345 350

Leu Leu Ile Gly Leu Pro Ser Gly Ala Ile Leu Ser Leu Pro Lys Ala
 355 360 365

Leu Leu Asp Pro Arg Arg Pro Glu Ile Pro Thr Glu Gln Ser Arg Glu
 370 375 380

Glu Asn Leu Ile Pro Tyr Ser Pro Asp Val Gln Ile His Ala Glu Arg
 385 390 395 400

Phe Ile Asn Tyr Asn Gln Thr Val Ser Arg Met Arg Gly Ile Tyr Thr
 405 410 415

Ala Pro Ser Gly Leu Glu Ser Thr Cys Leu Val Val Ala Tyr Gly Leu
 420 425 430

Asp Ile Tyr Gln Thr Arg Val Tyr Pro Ser Lys Gln Phe Asp Val Leu
 435 440 445

Lys Asp Asp Tyr Asp Tyr Val Leu Ile Ser Ser Val Leu Phe Gly Leu
 450 455 460

Val Phe Ala Thr Met Ile Thr Lys Arg Leu Ala Gln Val Lys Leu Leu
 465 470 475 480

Asn Arg Ala Trp Arg
485

<210> 1807

<211> 360

<212> PRT

<213> Homo sapiens

<400> 1807

Met Ala Ala Glu Trp Ala Ser Arg Phe Trp Leu Trp Ala Thr Leu Leu
1 5 10 15

Ile Pro Ala Ala Ala Val Tyr Glu Asp Gln Val Gly Lys Phe Asp Trp
20 25 30

Arg Gln Gln Tyr Val Gly Lys Val Lys Phe Ala Ser Leu Glu Phe Ser
35 40 45

Pro Gly Ser Lys Lys Leu Val Val Ala Thr Glu Lys Asn Val Ile Ala
50 55 60

Ala Leu Asn Ser Arg Thr Gly Glu Ile Leu Trp Arg His Val Asp Lys
65 70 75 80

Gly Thr Ala Glu Gly Ala Val Asp Ala Met Leu Leu His Gly Gln Asp
85 90 95

Val Ile Thr Val Ser Asn Gly Gly Arg Ile Met Arg Ser Trp Glu Thr
100 105 110

Asn Ile Gly Gly Leu Asn Trp Glu Ile Thr Leu Asp Ser Gly Ser Phe
115 120 125

Gln Ala Leu Gly Leu Val Gly Leu Gln Glu Ser Val Arg Tyr Ile Ala
130 135 140

Val Leu Lys Lys Thr Thr Leu Ala Leu His His Leu Ser Ser Gly His
145 150 155 160

Leu Lys Trp Val Glu His Leu Pro Glu Ser Asp Ser Ile His Tyr Gln
165 170 175

Met Val Tyr Ser Tyr Gly Ser Gly Val Val Trp Ala Leu Gly Val Val
180 185 190

Pro Phe Ser His Val Asn Ile Val Lys Phe Asn Val Glu Asp Gly Glu
195 200 205

Ile Val Gln Gln Val Arg Val Ser Thr Pro Trp Leu Gln His Leu Ser
210 215 220

Gly Ala Cys Gly Val Val Asp Glu Ala Val Leu Val Cys Pro Asp Pro
225 230 235 240

Ser Ser Arg Ser Leu Gln Thr Leu Ala Leu Glu Thr Glu Trp Glu Leu
245 250 255

Arg Gln Ile Pro Leu Gln Ser Leu Asp Leu Glu Phe Gly Ser Gly Phe
 260 265 270

Gln Pro Arg Val Leu Pro Thr Gln Pro Asn Pro Val Asp Ala Ser Arg
 275 280 285

Ala Gln Phe Phe Leu His Leu Ser Pro Ser His Tyr Ala Leu Leu Gln
 290 295 300

Tyr His Tyr Gly Thr Leu Ser Leu Leu Lys Asn Phe Pro Gln Thr Ala
 305 310 315 320

Leu Val Ser Phe Ala Thr Thr Gly Glu Lys Thr Val Ala Ala Val Met
 325 330 335

Ala Cys Arg Asn Glu Val Gln Lys Thr Ser Ser Ser Glu Asp Gly Ser
 340 345 350

Met Gly Glu Leu Phe Gly Glu Val
 355 360

<210> 1808

<211> 75

<212> PRT

<213> Homo sapiens

<400> 1808

Met Arg Gly Ile Tyr Thr Ala Pro Ser Gly Leu Glu Ser Thr Cys Leu
 1 5 10 15

Val Val Ala Tyr Gly Leu Asp Ile Tyr Gln Thr Arg Val Tyr Pro Ser
 20 25 30

Lys Gln Phe Asp Val Leu Lys Asp Asp Tyr Asp Tyr Val Leu Ile Ser
 35 40 45

Ser Val Leu Phe Gly Leu Val Phe Ala Thr Met Ile Thr Lys Arg Leu
 50 55 60

Ala Gln Val Lys Leu Leu Asn Arg Ala Trp Arg
 65 70 75

<210> 1809

<211> 136

<212> PRT

<213> Homo sapiens

<400> 1809

Glu Phe Gly Thr Arg Lys Glu Glu Arg Val Ala Met Val Pro Arg
 1 5 10 15

Leu Ala Phe Ile Leu Phe Val Leu Ala Arg Asp Tyr Asn Val Thr Ser
 20 25 30

Leu Gly Gln Asp Leu Asn Trp Lys Tyr Glu Ala Lys Asp Tyr Arg Lys
 35 40 45

Thr	Gly	Glu	Leu	Lys	Asn	Ile	Gly	Glu	Cys	Gly	Arg	Ser	Tyr	Lys	Phe
							50		55		60				
Leu	Ser	Arg	Asn	Gln	Asp	Trp	Asn	Thr	Arg	Tyr	Ser	His	Pro	Asn	Arg
							65		70		75				80
Pro	Ala	Lys	Tyr	Ser	Gly	Ile	Asp	Glu	Met	Cys	Lys	Ala	Gln	Glu	Ser
							85			90					95
Gly	Leu	Ser	Pro	Ser	Lys	Gln	Leu	Asn	Arg	Leu	Ser	Thr	Leu	Thr	Ala
							100			105					110
Leu	Lys	Val	Ser	Gln	Pro	Val	Lys	Leu	Ala	Leu	Phe	Ser	Arg	Ser	Pro
							115			120					125
Arg	Arg	Glu	Ile	Arg	Val	Gly	Arg								
							130			135					

<210> 1810

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1810

Gly Leu His Phe Asn Ile Arg Val Asp His Gly Met Leu Trp Ala Pro
 1 5 10 15

Val Leu Tyr Lys Asp Val Gly Gln Glu Leu Pro Val Val Ser Thr Ala
 20 25 30

Pro Ser His Ile Ala Leu Leu Met Glu Pro Phe Thr Pro Asp Val Leu
35 40 . 45

Ser Arg Leu Met Gly Arg Ile Xaa Val Cys Lys Asp Tyr Val Ile Asp
50 55 60

Gln Leu Trp Ser Val Leu Lys Glu Ile Cys Gln Trp Ile Ile Pro Tyr
65 70 75 80

Gly

<210> 1811

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1811

Met His Leu Gly Leu Val Ser Leu Ile Leu Phe Cys Gln Ala Leu Glu			
1	5	10	15

Val Asp Ile Ser Leu Gln Gly Pro Gly Ile Val Pro Gly Arg Ser Glu			
20	25	30	

Val Ser Leu Ser Leu Gln Gly Pro Arg Gly Gly Cys Phe Pro Ile			
35	40	45	

Ala Thr Gly Ala Pro Phe Ile Val Leu Leu Pro Leu Gly Leu Tyr Leu			
50	55	60	

Val Phe His Leu Cys Cys Phe Phe Gly Leu Phe Cys Ala Xaa Leu Arg			
65	70	75	80

Leu Arg Glu Pro Gly Trp Asp His Leu Ile Ile			
85	90		

<210> 1812

<211> 230

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1812

Met Gly Asn Ser Leu Ser Val Phe Cys Ser Trp Phe Cys Arg Arg Ser			
1	5	10	15

Trp Pro Cys His Arg Gln Pro Ala Arg Leu Val Arg Glu Ala Phe Pro			
20	25	30	

Ala Gly Arg Ala His Pro Ala Ala Pro Ala Pro Val Pro Ala Arg Gly			
35	40	45	

Ile Val Gly Arg Phe Pro Leu Leu Phe Asn Arg Gln Arg His Xaa Gly			
50	55	60	

Pro Xaa Phe Pro Val Arg Trp Asp Gly Ala Pro Met Arg Leu Cys Leu			
65	70	75	80

Ile Pro Arg Asn Thr Gly Thr Pro Gln Arg Val Leu Arg Pro Val Val			
85	90	95	

Trp Ser Pro Pro Ser Arg Lys Pro Val Leu Ser Pro His Asn Ser			
100	105	110	

Ile Met Phe Gly His Leu Ser Pro Val Arg Ile Pro Cys Leu Arg Gly
 115 120 125

Lys Phe Asn Leu Gln Leu Pro Ser Leu Asp Asp Gln Val Ile Pro Ala
 130 135 140

Arg Leu Pro Lys Thr Glu Val Ser Ala Glu Glu Pro Lys Glu Ala Thr
 145 150 155 160

Glu Val Lys Asp Gln Val Glu Thr Gln Gly Gln Glu Asp Asn Lys Arg
 165 170 175

Gly Pro Cys Ser Asn Gly Glu Ala Ala Ser Thr Ser Arg Pro Leu Glu
 180 185 190

Thr Gln Gly Asn Leu Thr Ser Ser Trp Tyr Asn Pro Arg Pro Leu Glu
 195 200 205

Gly Asn Val His Leu Lys Ser Leu Thr Glu Lys Asn Gln Thr Asp Lys
 210 215 220

Ala Gln Val His Ala Val
 225 230

<210> 1813

<211> 232

<212> PRT

<213> Homo sapiens

<400> 1813

Met Gly Asn Ser Leu Ser Val Phe Cys Ser Trp Phe Cys Arg Arg Ser
 1 5 10 15

Trp Pro Cys His Arg Gln Pro Ala Arg Leu Val Arg Glu Ala Phe Pro
 20 25 30

Ala Gly Arg Ala His Pro Ala Ala Pro Ala Pro Val Pro Ala Arg Gly
 35 40 45

Ile Val Gly Arg Phe Pro Leu Leu Phe Asn Arg Gln Arg His Leu Gly
 50 55 60

Pro Ser Phe Pro Val Arg Trp Asp Gly Ala Pro Met Arg Leu Cys Leu
 65 70 75 80

Ile Pro Arg Asn Thr Gly Thr Pro Gln Arg Val Leu Arg Pro Val Val
 85 90 95

Trp Ser Pro Pro Ser Arg Lys Lys Pro Val Leu Ser Pro His Asn Ser
 100 105 110

Ile Met Phe Gly His Leu Ser Pro Val Arg Ile Pro Cys Leu Arg Gly
 115 120 125

Lys Phe Asn Leu Gln Leu Pro Ser Leu Asp Asp Gln Val Ile Pro Ala
 130 135 140

Arg Leu Pro Lys Thr Glu Val Ser Ala Glu Glu Pro Lys Glu Ala Thr
 1162

145	150	155	160
Glu Val Lys Asp Gln Val Glu Thr Gln Gly Gln Glu Asp Asn Lys Arg			
165	170	175	
Gly Pro Cys Ser Asn Gly Glu Ala Ala Ser Thr Ser Arg Pro Leu Glu			
180	185	190	
Thr Gln Gly Asn Leu Thr Ser Ser Trp Tyr Asn Pro Arg Pro Leu Glu			
195	200	205	
Gly Asn Val His Leu Lys Ser Leu Thr Glu Lys Asn Gln Thr Asp Lys			
210	215	220	
Ala Gln Val His Ala Val Ser Cys			
225	230		

<210> 1814

<211> 156

<212> PRT

<213> Homo sapiens

<400> 1814

Met Gln Ile Gln Val Ala Gly Leu Leu Gln Phe Ala Val Pro Leu Phe			
1	5	10	15

Ser Thr Ala Glu Glu Asp Leu Leu Ala Ile Gln Leu Leu Leu Asn Ser			
20	25	30	

Ser Glu Ser Ser Leu His Gln Leu Thr Ala Met Val Asp Cys Arg Gly			
35	40	45	

Leu His Lys Asp Tyr Leu Asp Ala Leu Ala Gly Ile Cys Tyr Asp Gly			
50	55	60	

Leu Gln Gly Leu Leu Tyr Leu Gly Leu Phe Ser Phe Leu Ala Ala Leu			
65	70	75	80

Ala Phe Ser Thr Met Ile Cys Ala Gly Pro Arg Ala Trp Lys His Phe			
85	90	95	

Thr Thr Arg Asn Arg Asp Tyr Asp Asp Ile Asp Asp Asp Pro Phe			
100	105	110	

Asn Pro Gln Ala Trp Arg Met Ala Ala His Ser Pro Pro Arg Gly Gln			
115	120	125	

Leu His Ser Phe Cys Ser Tyr Ser Ser Gly Leu Gly Ser Gln Thr Ser			
130	135	140	

Leu Gln Pro Pro Ala Gln Thr Ile Ser Asn Ala Pro			
145	150	155	

<210> 1815

<211> 213

<212> PRT

<213> Homo sapiens

<400> 1815

Met Gln Ile Gln Val Ala Gly Leu Leu Gln Phe Ala Val Pro Leu Phe			
1	5	10	15

Ser Thr Ala Glu Glu Asp Leu Leu Ala Ile Gln Leu Leu Leu Asn Ser			
20	25	30	

Ser Glu Ser Ser Leu His Gln Leu Thr Ala Met Val Asp Cys Arg Gly			
35	40	45	

Leu His Lys Asp Tyr Leu Asp Ala Leu Ala Gly Ile Cys Tyr Asp Gly			
50	55	60	

Leu Gln Gly Leu Leu Tyr Leu Gly Leu Phe Ser Phe Leu Ala Ala Leu			
65	70	75	80

Ala Phe Ser Thr Met Ile Cys Ala Gly Pro Arg Ala Trp Lys His Phe			
85	90	95	

Thr Thr Arg Asn Arg Asp Tyr Asp Asp Ile Asp Asp Asp Asp Pro Phe			
100	105	110	

Asn Pro Gln Ala Trp Arg Met Ala Ala His Ser Pro Pro Arg Gly Gln			
115	120	125	

Leu His Ser Phe Cys Ser Tyr Ser Ser Gly Leu Gly Ser Gln Thr Ser			
130	135	140	

Leu Gln Pro Pro Ala Gln Thr Ile Ser Asn Ala Pro Val Ser Glu Tyr			
145	150	155	160

Met Asn Gln Ala Met Leu Phe Gly Arg Asn Pro Arg Tyr Glu Asn Val			
165	170	175	

Pro Leu Ile Gly Arg Ala Ser Pro Pro Pro Thr Tyr Ser Pro Ser Met			
180	185	190	

Arg Ala Thr Tyr Leu Ser Val Ala Asp Glu His Leu Arg His Tyr Gly			
195	200	205	

Asn Gln Phe Pro Ala			
210			

<210> 1816

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1816

Glu Cys Xaa Arg Lys Pro Thr Pro Arg Ala Glu Phe Leu Gln Pro Gly			
1	5	10	15

Gly Ser Thr Ser Ser Arg Ala Ala Ala Thr Ala Val
 20 25

<210> 1817

<211> 75

<212> PRT

<213> Homo sapiens

<400> 1817

Met Leu Asn Pro Leu Arg Gln Leu Phe Lys Leu Met Ala Ser Leu Phe
 1 5 10 15

Leu Ser Val Phe Thr Leu Gly Leu Pro Phe Ala Leu Phe Gln Tyr Tyr
 20 25 30

Ala Tyr Thr Gln Phe Cys Leu Pro Gly Ser Ala Arg Pro Ile Pro Glu
 35 40 45

Pro Leu Val Gln Leu Ala Val Asp Lys Gly Tyr Arg Ile Ala Glu Gly
 50 55 60

Asn Glu Pro Leu Gly Ala Ser Gly Met Phe His
 65 70 75

<210> 1818

<211> 280

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1818

Met His Ser Gln Cys Gln Gly Phe Phe Ser Ser Leu Thr Met Leu Asn
 1 5 10 15

Pro Leu Arg Gln Leu Phe Lys Leu Met Ala Ser Leu Phe Leu Ser Val
 20 25 30

Phe Thr Leu Gly Leu Pro Phe Ala Leu Phe Gln Tyr Tyr Ala Tyr Thr
 35 40 45

Gln Phe Cys Leu Pro Gly Ser Ala Arg Pro Ile Pro Glu Pro Leu Val
 50 55 60

Gln Leu Ala Val Asp Lys Gly Tyr Arg Ile Ala Glu Gly Asn Glu Pro
 65 70 75 80

Pro Trp Cys Phe Trp Asp Val Pro Leu Ile Tyr Ser Tyr Xaa Xaa Asp
 85 90 95

 Val Tyr Trp Asn Val Gly Phe Leu Lys Tyr Tyr Glu Leu Lys Gln Val
 100 105 110

 Pro Asn Phe Leu Leu Ala Ala Pro Val Ala Ile Leu Val Ala Trp Ala
 115 120 125

 Thr Trp Thr Tyr Val Thr Thr His Pro Trp Leu Cys Leu Thr Leu Gly
 130 135 140

 Leu Gln Arg Ser Lys Asn Asn Lys Thr Leu Glu Lys Pro Asp Leu Gly
 145 150 155 160

 Phe Leu Ser Pro Gln Val Phe Val Tyr Val Val His Ala Ala Val Leu
 165 170 175

 Leu Leu Phe Gly Gly Leu Cys Met His Val Gln Val Leu Thr Arg Phe
 180 185 190

 Leu Gly Ser Ser Thr Pro Ile Met Tyr Trp Phe Pro Ala His Leu Leu
 195 200 205

 Gln Asp Gln Glu Pro Leu Leu Arg Ser Leu Lys Thr Val Pro Trp Lys
 210 215 220

 Pro Leu Ala Glu Asp Ser Pro Pro Gly Gln Lys Val Pro Arg Asn Pro
 225 230 235 240

 Ile Met Gly Leu Leu Tyr His Trp Lys Thr Cys Ser Pro Val Thr Arg
 245 250 255

 Tyr Ile Leu Gly Tyr Phe Leu Thr Tyr Trp Leu Leu Gly Leu Leu Leu
 260 265 270

 His Cys Asn Phe Leu Pro Trp Thr
 275 280

<210> 1819

<211> 273

<212> PRT

<213> Homo sapiens

<400> 1819

Met Leu Phe Phe Cys Gly Asp Leu Leu Ser Arg Ser Gln Ile Phe Tyr
 1 5 10 15

Tyr Ser Thr Gly Met Thr Val Gly Ile Val Ala Ser Leu Leu Ile Ile
 20 25 30

Ile Phe Ile Leu Ser Lys Phe Met Pro Lys Lys Ser Pro Ile Tyr Val
 35 40 45

Ile Leu Val Gly Gly Trp Ser Phe Ser Leu Tyr Leu Ile Gln Leu Val
 50 55 60

Phe Lys Asn Leu Gln Glu Ile Trp Arg Cys Tyr Trp Gln Tyr Leu Leu
 1166

65	70	75	80
Ser Tyr Val Leu Thr Val Gly Phe Met Ser Phe Ala Val Cys Tyr Lys			
85	90	95	
Tyr Gly Pro Leu Glu Asn Glu Arg Ser Ile Asn Leu Leu Thr Trp Thr			
100	105	110	
Leu Gln Leu Met Gly Leu Cys Phe Met Tyr Ser Gly Ile Gln Ile Pro			
115	120	125	
His Ile Ala Leu Ala Ile Ile Ile Ala Leu Cys Thr Lys Asn Leu			
130	135	140	
Glu His Pro Ile Gln Trp Leu Tyr Ile Thr Cys Arg Lys Val Cys Lys			
145	150	155	160
Gly Ala Glu Lys Pro Val Pro Pro Arg Leu Leu Thr Glu Glu Glu Tyr			
165	170	175	
Arg Ile Gln Gly Glu Val Glu Thr Arg Lys Ala Leu Glu Glu Leu Arg			
180	185	190	
Glu Phe Cys Asn Ser Pro Asp Cys Ser Ala Trp Lys Thr Val Ser Arg			
195	200	205	
Ile Gln Ser Pro Lys Arg Phe Ala Asp Phe Val Glu Gly Ser Ser His			
210	215	220	
Leu Thr Pro Asn Glu Val Ser Val His Glu Gln Glu Tyr Gly Leu Gly			
225	230	235	240
Ser Ile Ile Ala Gln Asp Glu Ile Tyr Glu Glu Ala Ser Ser Glu Glu			
245	250	255	
Glu Asp Ser Tyr Ser Arg Cys Pro Ala Ile Thr Gln Asn Asn Phe Leu			
260	265	270	

Thr

<210> 1820
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1820

Met	Lys	Val	Ala	Val	Ser	Pro	Ala	Val	Gly	Pro	Gly	Pro	Trp	Gly	Ser
1					5				10				15		

Gly	Val	Gly	Gly	Gly	Thr	Val	Arg	Leu	Leu	Leu	Ile	Leu	Ser	Gly
					20			25			30			

Cys	Leu	Val	Tyr	Gly	Thr	Ala	Glu	Thr	Asp	Val	Asn	Val	Val	Met	Leu
					35			40			45				

Gln	Glu	Ser	Gln	Val	Cys	Glu	Lys	Arg	Ala	Ser	Gln	Gln	Phe	Cys	Tyr
					50		55		60						

Thr	Asn	Val	Leu	Ile	Pro	Lys	Trp	His	Asp	Ile	Trp	Thr	Arg	Ile	Gln
					65		70			75		80			

Xaa	Arg	Xaa	Xaa	Ser	Ser	Arg	Leu	Val	Arg	Val	Thr	Gln	Val	Glu	Xaa
					85			90			95				

<210> 1821

<211> 273

<212> PRT

<213> Homo sapiens

<400> 1821

Met	Leu	Phe	Phe	Cys	Gly	Asp	Leu	Leu	Ser	Arg	Ser	Gln	Ile	Phe	Tyr
1					5				10			15			

Tyr	Ser	Thr	Gly	Met	Thr	Val	Gly	Ile	Val	Ala	Ser	Leu	Leu	Ile	Ile
					20			25			30				

Ile	Phe	Ile	Leu	Ser	Lys	Phe	Met	Pro	Lys	Lys	Ser	Pro	Ile	Tyr	Val
					35			40			45				

Ile	Leu	Val	Gly	Gly	Trp	Ser	Phe	Ser	Leu	Tyr	Leu	Ile	Gln	Leu	Val
					50			55			60				

Phe	Lys	Asn	Leu	Gln	Glu	Ile	Trp	Arg	Cys	Tyr	Trp	Gln	Tyr	Leu	Leu
					65			70		75		80			

Ser	Tyr	Val	Leu	Thr	Val	Gly	Phe	Met	Ser	Phe	Ala	Val	Cys	Tyr	Lys
					85				90			95			

Tyr	Gly	Pro	Leu	Glu	Asn	Glu	Arg	Ser	Ile	Asn	Leu	Leu	Thr	Trp	Thr
					100			105			110				

Leu	Gln	Leu	Met	Gly	Leu	Cys	Phe	Met	Tyr	Ser	Gly	Ile	Gln	Ile	Pro

115	120	125
His Ile Ala Leu Ala Ile Ile Ile Ala Leu Cys Thr Lys Asn Leu		
130	135	140
Glu His Pro Ile Gln Trp Leu Tyr Ile Thr Cys Arg Lys Val Cys Lys		
145	150	155
Gly Ala Glu Lys Pro Val Pro Pro Arg Leu Leu Thr Glu Glu Tyr		
165	170	175
Arg Ile Gln Gly Glu Val Glu Thr Arg Lys Ala Leu Glu Glu Leu Arg		
180	185	190
Glu Phe Cys Asn Ser Pro Asp Cys Ser Ala Trp Lys Thr Val Ser Arg		
195	200	205
Ile Gln Ser Pro Lys Arg Phe Ala Asp Phe Val Glu Gly Ser Ser His		
210	215	220
Leu Thr Pro Asn Glu Val Ser Val His Glu Gln Glu Tyr Gly Leu Gly		
225	230	235
Ser Ile Ile Ala Gln Asp Glu Ile Tyr Glu Glu Ala Ser Ser Glu Glu		
245	250	255
Glu Asp Ser Tyr Ser Arg Cys Pro Ala Ile Thr Gln Asn Asn Phe Leu		
260	265	270

Thr

<210> 1822

<211> 273

<212> PRT

<213> Homo sapiens

<400> 1822

Met	Leu	Phe	Phe	Cys	Gly	Asp	Leu	Leu	Ser	Arg	Ser	Gln	Ile	Phe	Tyr	
1							5			10				15		

Tyr	Ser	Thr	Gly	Met	Thr	Val	Gly	Ile	Val	Ala	Ser	Leu	Leu	Ile	Ile
							20.		25				30		

Ile	Phe	Ile	Leu	Ser	Lys	Phe	Met	Pro	Lys	Lys	Ser	Pro	Ile	Tyr	Val
							35		40				45		

Ile	Leu	Val	Gly	Gly	Trp	Ser	Phe	Ser	Leu	Tyr	Leu	Ile	Gln	Leu	Val
						50		55			60				

Phe	Lys	Asn	Leu	Gln	Glu	Ile	Trp	Arg	Cys	Tyr	Trp	Gln	Tyr	Leu	Leu
						65		70		75			80		

Ser	Tyr	Val	Leu	Thr	Val	Gly	Phe	Met	Ser	Phe	Ala	Val	Cys	Tyr	Lys
							85		90				95		

Tyr	Gly	Pro	Leu	Glu	Asn	Glu	Arg	Ser	Ile	Asn	Leu	Leu	Thr	Trp	Thr
							100		105			110			

Leu Gln Leu Met Gly Leu Cys Phe Met Tyr Ser Gly Ile Gln Ile Pro
115 120 125

His Ile Ala Leu Ala Ile Ile Ile Ile Ala Leu Cys Thr Lys Asn Leu
130 . . . 135 . . . 140

Glu His Pro Ile Gln Trp Leu Tyr Ile Thr Cys Arg Lys Val Cys Lys
 145 150 155 160

Gly Ala Glu Lys Pro Val Pro Pro Arg Leu Leu Thr Glu Glu Glu Tyr
165 170 175

Arg Ile Gln Gly Glu Val Glu Thr Arg Lys Ala Leu Glu Glu Leu Arg
180 185 190

Glu Phe Cys Asn Ser Pro Asp Cys Ser Ala Trp Lys Thr Val Ser Arg
 195 200 . 205

Ile Gln Ser Pro Lys Arg Phe Ala Asp Phe Val Glu Gly Ser Ser His
210 215 220

Leu Thr Pro Asn Glu Val Ser Val His Glu Gln Glu Tyr Gly Leu Gly
225 230 235 240

Ser Ile Ile Ala Gln Asp Glu Ile Tyr Glu Glu Ala Ser Ser Glu Glu
245 250 255

Glu Asp Ser Tyr Ser Arg Cys Pro Ala Ile Thr Gln Asn Asn Phe Leu
260 265 270

Thr

<210> 1823

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1823

Met Phe Ala Leu Ala Trp Lys Val Ile Phe Ser Val Met Leu Gln Asn
1 5 10 15

Ser Leu Val Leu Val Met Val Trp Gly Asn Glu Lys Ser Gly Pro Cys
35 40 45

Pro Thr Pro Lys Ser Arg Lys Gly Arg Arg Ser Cys Pro Ala Gln Val
50 55 60

Gly Arg Gly Glu Xaa Gly Ser Tyr Trp Asp Pro Glu Phe Arg Leu Ser

65	70	75	80
----	----	----	----

Arg Lys Ser Asn Gln Gly Leu Arg Arg Asp Tyr Leu Ser Leu Tyr His			
85	90	95	

Phe Asn Leu His Phe Arg Asp Thr Phe			
100	105		

<210> 1824

<211> 105

<212> PRT

<213> Homo sapiens

<400> 1824

Met Phe Ala Leu Ala Trp Lys Val Ile Phe Ser Val Met Leu Gln Asn			
1	5	10	15

Pro Ile Arg Tyr Pro Ser Val Leu Gly Ile Lys Ser Ser Leu Leu Ser			
20	25	30	

Ser Leu Val Leu Val Met Val Trp Gly Asn Glu Lys Ser Gly Pro Cys			
35	40	45	

Pro Thr Pro Lys Ser Arg Lys Gly Arg Arg Ser Cys Pro Ala Gln Val			
50	55	60	

Gly Arg Gly Glu Glu Gly Ser Tyr Trp Asp Pro Glu Phe Arg Leu Ser			
65	70	75	80

Arg Lys Ser Asn Gln Gly Leu Arg Arg Asp Tyr Leu Ser Leu Tyr His			
85	90	95	

Phe Asn Leu His Phe Arg Asp Thr Phe			
100	105		

<210> 1825

<211> 94

<212> PRT

<213> Homo sapiens

<400> 1825

Met Leu Leu Gly Phe Leu Val Leu Ile Pro Trp Gly Ser Leu Ile Leu			
1	5	10	15

Gly Ser Ser Asp Leu Asp Pro Ser Ser Leu Pro Leu Gly Thr Arg Gly			
20	25	30	

His Gly Trp Arg Trp Pro Pro Leu Ser Pro Val Gln Ile Leu Tyr Pro			
35	40	45	

Leu Ala Gly Asp Pro His Ala Ala Val Ser Cys Ser Cys Cys Gly Glu			
50	55	60	

Thr Glu Leu Arg Ala Leu Leu Thr Gly Ser Leu Pro Met Glu Ala Phe			
65	70	75	80

Ser Gly Leu His Ser Ile Glu Tyr Ser Ser Arg Thr Ala Cys
85 90

<210> 1826

<211> 94

<212> PRT

<213> Homo sapiens

<400> 1826

Met Leu Leu Gly Phe Leu Val Leu Ile Pro Trp Gly Ser Leu Ile Leu
 1 5 10 15

Gly Ser Ser Asp Leu Asp Pro Ser Ser Leu Pro Leu Gly Thr Arg Gly
20 25 30

His Gly Trp Arg Trp Pro Pro Leu Ser Pro Val Gln Ile Leu Tyr Pro
35 40 45

Leu Ala Gly Asp Pro His Ala Ala Val Ser Cys Ser Cys Cys Gly Glu
50 55 . 60

Thr Glu Leu Arg Ala Leu Leu Thr Gly Ser Leu Pro Met Glu Ala Phe
65 70 75 80

Ser Gly Leu His Ser Ile Glu Tyr Ser Ser Arg Thr Ala Cys
85 90

<210> 1827

<211> 261

<212> PRT

<213> Homo sapiens

<400> 1827

Gly Ile Ala Gly Ile Ile Ala Ala Thr Cys Met Asp Gln Trp Ser Thr
20 25 30

Gln Asp Leu Tyr Asn Asn Pro Val Thr Ala Val Phe Asn Tyr Gln Gly
35 40 45

Leu Trp Arg Ser Cys Val Arg Glu Ser Ser Gly Phe Thr Glu Cys Arg
50 55 60

Gly Tyr Phe Thr Leu Leu Gly Leu Pro Ala Met Leu Gln Ala Val Arg
 65 70 75 80

Ala Leu Met Ile Val Gly Ile Val Leu Gly Ala Ile Gly Leu Leu Val
85 90 95

Ser Ile Phe Ala Leu Lys Cys Ile Arg Ile Gly Ser Met Glu Asp Ser
100 105 110

Gly Leu Cys Ala Ile Ala Gly Val Ser Val Phe Ala Asn Met Leu Val
 130 135 140

Thr Asn Phe Trp Met Ser Thr Ala Asn Met Tyr Thr Gly Met Gly Gly
 145 150 155 160

Met Val Gln Thr Val Gln Thr Arg Tyr Thr Phe Gly Ala Ala Leu Phe
 165 170 175

Val Gly Trp Val Ala Gly Gly Leu Thr Leu Ile Gly Gly Val Met Met
 180 185 190

Cys Ile Ala Cys Arg Gly Leu Ala Pro Glu Glu Thr Asn Tyr Lys Ala
 195 200 205

Val Ser Tyr His Ala Ser Gly His Ser Val Ala Tyr Lys Pro Gly Gly
 210 215 220

Phe Lys Ala Ser Thr Gly Phe Gly Ser Asn Thr Lys Asn Lys Lys Arg
 225 230 235 240

Tyr Asp Gly Gly Ala Arg Thr Glu Asp Glu Val Gln Ser Tyr Pro Ser
 245 250 255

Lys His Asp Tyr Val
 260

<210> 1828

<211> 261

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1828

Met Ala Val Thr Ala Cys Gln Gly Leu Gly Phe Val Val Ser Leu Ile
 1 5 10 15Gly Ile Ala Gly Ile Ile Ala Ala Thr Cys Met Asp Gln Trp Ser Thr
 20 25 30Gln Asp Leu Tyr Asn Asn Pro Val Thr Ala Val Phe Asn Tyr Gln Gly
 35 40 45Leu Trp Arg Ser Cys Val Arg Glu Ser Ser Gly Phe Thr Glu Cys Arg
 50 55 60Gly Tyr Phe Thr Leu Leu Gly Leu Pro Ala Met Leu Gln Ala Val Arg
 65 70 75 80

Ala Leu Met Ile Val Gly Ile Val Leu Gly Ala Ile Gly Leu Leu Val
 85 90 95

 Ser Ile Phe Ala Leu Lys Cys Ile Arg Ile Gly Ser Met Glu Asp Ser
 100 105 110

 Ala Lys Ala Asn Met Thr Leu Thr Ser Gly Ile Met Xaa Ile Xaa Ser
 115 120 125

 Gly Leu Cys Ala Ile Ala Gly Val Ser Val Phe Ala Asn Met Leu Val
 130 135 140

 Thr Asn Phe Trp Met Ser Thr Ala Asn Met Tyr Thr Gly Met Gly Gly
 145 150 155 160

 Met Val Gln Thr Val Gln Thr Arg Tyr Thr Phe Gly Ala Ala Leu Phe
 165 170 175

 Val Gly Trp Val Ala Gly Gly Leu Thr Leu Ile Gly Gly Val Met Met
 180 185 190

 Cys Ile Ala Cys Arg Gly Leu Ala Pro Glu Glu Thr Asn Tyr Lys Ala
 195 200 205

 Val Ser Tyr His Ala Ser Gly His Ser Val Ala Tyr Lys Pro Gly Gly
 210 215 220

 Phe Lys Ala Ser Thr Gly Phe Gly Ser Asn Thr Lys Asn Lys Lys Arg
 225 230 235 240

 Tyr Asp Gly Gly Ala Arg Thr Glu Asp Glu Val Gln Ser Tyr Pro Ser
 245 250 255

 Lys His Asp Tyr Val
 260

<210> 1829

<211> 92

<212> PRT

<213> Homo sapiens

<400> 1829

Met Thr Ser Leu Leu Glu Gly Arg Met Val Leu Cys Val Ser Cys Leu
 1 5 10 15

Leu Leu Pro Leu Leu Leu Leu Lys His Phe Asn Gly Leu Met Thr
 20 25 30

Pro Tyr Leu Ala His Asn Val Tyr Cys Pro Ile Glu Tyr Ile Ser Phe
 35 40 45

Phe Pro Phe His Glu Lys Asn Ile Glu Tyr Ile Ser Ile Trp Phe Ile
 50 55 60

Phe Asp Ser Phe Lys Phe Ile Tyr Ser Arg Leu Leu Cys Ile Ser Gln
 65 70 75 80

Ile Tyr Val Leu Tyr Arg Ala Tyr Thr Leu Pro His
 85 90

<210> 1830

<211> 92

<212> PRT

<213> Homo sapiens

<400> 1830

Met Thr Ser Leu Leu Glu Gly Arg Met Val Leu Cys Val Ser Cys Leu
 1 5 10 15

Leu Leu Pro Leu Leu Leu Leu Lys His Phe Asn Gly Leu Met Thr
 20 25 30

Pro Tyr Leu Ala His Asn Val Tyr Cys Pro Ile Glu Tyr Ile Ser Phe
 35 40 45

Phe Pro Phe His Glu Lys Asn Ile Glu Tyr Ile Ser Ile Trp Phe Ile
 50 55 60

Phe Asp Ser Phe Lys Phe Ile Tyr Ser Arg Leu Leu Cys Ile Ser Gln
 65 70 75 80

Ile Tyr Val Leu Tyr Arg Ala Tyr Thr Leu Pro His
 85 90

<210> 1831

<211> 92

<212> PRT

<213> Homo sapiens

<400> 1831

Met Thr Ser Leu Leu Glu Gly Arg Met Val Leu Cys Val Ser Cys Leu
 1 5 10 15

Leu Leu Pro Leu Leu Leu Leu Lys His Phe Asn Gly Leu Met Thr
 20 25 30

Pro Tyr Leu Ala His Asn Val Tyr Cys Pro Ile Glu Tyr Ile Ser Phe
 35 40 45

Phe Pro Phe His Glu Lys Asn Ile Glu Tyr Ile Ser Ile Trp Phe Ile
 50 55 60

Phe Asp Ser Phe Lys Phe Ile Tyr Ser Arg Leu Leu Cys Ile Ser Gln
 65 70 75 80

Ile Tyr Val Leu Tyr Arg Ala Tyr Thr Leu Pro His
 85 90

<210> 1832

<211> 270

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (268)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1832

Gly Glu Glu Phe Gln Pro Glu Gly Ser Lys Cys Thr Lys Cys Ser Cys
1 5 10 15

Thr Gly Gly Arg Thr Gln Cys Val Arg Glu Val Cys Pro Ile Leu Ser
20 25 30

Cys Pro Gln His Leu Ser His Ile Pro Pro Gly Gln Cys Cys Pro Lys
35 40 45

Cys Leu Gly Gln Arg Lys Val Phe Asp Leu Pro Phe Gly Ser Cys Leu
50 55 60

Phe Arg Ser Asp Val Tyr Asp Asn Gly Ser Ser Phe Leu Tyr Asp Asn
65 70 75 80

Cys Thr Ala Cys Thr Cys Arg Asp Ser Thr Val Val Cys Lys Arg Lys
85 90 95

Cys Ser His Pro Gly Gly Cys Asp Gln Gly Gln Glu Gly Cys Cys Glu
100 105 110

Xaa Cys Leu Leu Arg Xaa Pro Pro Glu Asp Ile Lys Val Cys Lys Phe
115 120 125

Gly Asn Lys Ile Phe Gln Asp Gly Glu Met Trp Ser Ser Ile Asn Cys
130 135 140

Thr Ile Cys Ala Cys Val Lys Gly Arg Thr Glu Cys Xaa Asn Lys Gln
145 150 155 160

Cys Ile Pro Ile Ser Ser Cys Pro Gln Gly Lys Ile Leu Asn Arg Lys
165 170 175

Gly Cys Cys Pro Ile Cys Thr Glu Lys Pro Gly Val Cys Thr Val Phe
180 185 190

Gly Asp Pro His Tyr Asn Thr Phe Asp Gly Arg Thr Phe Asn Phe Gln
1176

195

200

205

Gly Thr Cys Gln Tyr Val Leu Thr Lys Asp Cys Ser Ser Pro Ala Ser
 210 215 220

Pro Phe Gln Val Leu Val Lys Asn Asp Ala Arg Arg Thr Arg Ser Phe
 225 230 235 240

Ser Trp Thr Lys Ser Val Glu Leu Val Leu Gly Glu Thr Gly Ser Ala
 245 250 255

Cys Ser Ser Thr Ser Pro Cys Ala Gly Thr Ala Xaa Ala Ser
 260 265 270

<210> 1833

<211> 182

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (179)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1833

Met Leu Trp Phe Ser Gly Val Gly Ala Leu Ala Glu Arg Tyr Cys Arg
 1 5 10 15

Arg Ser Pro Gly Ile Thr Cys Cys Val Leu Leu Leu Leu Asn Cys Ser
 20 25 30

Gly Val Pro Met Ser Leu Ala Ser Ser Phe Leu Thr Gly Ser Val Ala
 35 40 45

Lys Cys Glu Asn Glu Gly Glu Val Leu Gln Ile Pro Phe Ile Thr Asp
 50 55 60

Asn Pro Cys Ile Met Cys Val Cys Leu Asn Lys Glu Val Thr Cys Lys

65	70	75	80
Arg Glu Lys Cys Pro Val Leu Ser Arg Asp Cys Ala Leu Ala Ile Lys			
85	90	95	
Gln Arg Gly Ala Cys Cys Glu Xaa Cys Lys Gly Cys Thr Tyr Glu Gly			
100	105	110	
Asn Thr Tyr Asn Ser Ser Phe Lys Trp Gln Ser Pro Ala Glu Pro Cys			
115	120	125	
Val Leu Arg Gln Cys Gln Glu Gly Val Val Thr Glu Ser Gly Val Arg			
130	135	140	
Cys Val Xaa His Cys Lys Xaa Pro Leu Glu His Leu Gly Met Cys Cys			
145	150	155	160
Pro Thr Cys Pro Gly Cys Val Phe Glu Gly Val Gln Tyr Gln Glu Xaa			
165	170	175	
Glu Glu Xaa Gln Pro Glu			
180			

<210> 1834

<211> 47

<212> PRT

<213> Homo sapiens

<400> 1834

Ser Ser Ser Leu Leu Ile Ile Tyr Val Cys Met Met Asp Val Thr Ile			
1	5	10	15

Tyr Met Ser Cys Val Glu Ile Lys Gly Cys Leu Asp Ala Met Leu Ile			
20	25	30	

Leu Leu Ser Met Arg Lys Tyr Leu Lys Lys Leu Leu His Asn Ile			
35	40	45	

<210> 1835

<211> 445

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (288)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (293)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (332)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (443)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1835

Met Leu Trp Phe Ser Gly Val Gly Ala Leu Ala Glu Arg Tyr Cys Arg
1 5 10 15

Arg Ser Pro Gly Ile Thr Cys Cys Val Leu Leu Leu Leu Asn Cys Ser
20 25 30

Gly Val Pro Met Ser Leu Ala Ser Ser Phe Leu Thr Gly Ser Val Ala
35 40 45

Lys Cys Glu Asn Glu Gly Glu Val Leu Gln Ile Pro Phe Ile Thr Asp
50 55 60

Asn Pro Cys Ile Met Cys Val Cys Leu Asn Lys Glu Val Thr Cys Lys
65 70 75 80

Arg Glu Lys Cys Pro Val Leu Ser Arg Asp Cys Ala Leu Ala Ile Lys
85 90 95

Gln Arg Gly Ala Cys Cys Glu Gln Cys Lys Gly Cys Thr Tyr Glu Gly
100 105 110

Asn Thr Tyr Asn Ser Ser Phe Lys Trp Gln Ser Pro Ala Glu Pro Cys
115 120 125

Val Leu Arg Gln Cys Gln Glu Gly Val Val Thr Glu Ser Gly Val Arg
130 135 140

Cys Val Xaa His Cys Lys Asn Pro Leu Glu His Leu Gly Met Cys Cys
145 150 155 160

Pro Thr Cys Pro Gly Cys Val Phe Glu Gly Val Gln Tyr Gln Glu Gly
165 170 175

Glu Glu Phe Gln Pro Glu Gly Ser Lys Cys Thr Lys Cys Ser Cys Thr
180 185 190

Gly Gly Arg Thr Gln Cys Val Arg Glu Val Cys Pro Ile Leu Ser Cys
195 200 205

Pro Gln His Leu Ser His Ile Pro Pro Gly Gln Cys Cys Pro Lys Cys
210 215 220

Leu Gly Gln Arg Lys Val Phe Asp Leu Pro Phe Gly Ser Cys Leu Phe
225 230 235 240

Arg Ser Asp Val Tyr Asp Asn Gly Ser Ser Phe Leu Tyr Asp Asn Cys
245 250 255

Thr Ala Cys Thr Cys Arg Asp Ser	260	265	270
Val Val Cys Lys Arg Lys Cys			
Ser His Pro Gly Gly Cys Asp Gln Gly Gln Glu Gly Cys Cys Glu Xaa	275	280	285
Cys Leu Leu Arg Xaa Pro Pro Glu Asp Ile Lys Val Cys Lys Phe Gly	290	295	300
Asn Lys Ile Phe Gln Asp Gly Glu Met Trp Ser Ser Ile Asn Cys Thr	305	310	315
320			
Ile Cys Ala Cys Val Lys Gly Arg Thr Glu Cys Xaa Asn Lys Gln Cys	325	330	335
Ile Pro Ile Ser Ser Cys Pro Gln Gly Lys Ile Leu Asn Arg Lys Gly	340	345	350
Cys Cys Pro Ile Cys Thr Glu Lys Pro Gly Val Cys Thr Val Phe Gly	355	360	365
Asp Pro His Tyr Asn Thr Phe Asp Gly Arg Thr Phe Asn Phe Gln Gly	370	375	380
Thr Cys Gln Tyr Val Leu Thr Lys Asp Cys Ser Ser Pro Ala Ser Pro	385	390	395
400			
Phe Gln Val Leu Val Lys Asn Asp Ala Arg Arg Thr Arg Ser Phe Ser	405	410	415
Trp Thr Lys Ser Val Glu Leu Val Leu Gly Glu Thr Gly Ser Ala Cys	420	425	430
Ser Ser Thr Ser Pro Cys Ala Gly Thr Ala Xaa Ala Ser	435	440	445

<210> 1836

<211> 370

<212> PRT

<213> Homo sapiens

<400> 1836

Leu Gly Gly Ala Arg Val Arg Arg Ala Val Gly Leu Ser Gly Thr Gly	1	5	10	15
---	---	---	----	----

Ala Glu Ala Gly Arg Ala Gly Ala Met Val Glu Lys Glu Glu Ala Gly	20	25	30
---	----	----	----

Gly Gly Ile Ser Glu Glu Ala Ala Gln Tyr Asp Arg Gln Ile Arg	35	40	45
---	----	----	----

Leu Trp Gly Leu Glu Ala Gln Lys Arg Leu Arg Ala Ser Arg Val Leu	50	55	60
---	----	----	----

Leu Val Gly Leu Lys Gly Leu Gly Ala Glu Ile Ala Lys Asn Leu Ile	65	70	75	80
---	----	----	----	----

Leu Ala Gly Val Lys Gly Leu Thr Met Leu Asp His Glu Gln Val Thr
 85 90 95

 Pro Glu Asp Pro Gly Ala Gln Phe Leu Ile Arg Thr Gly Ser Val Gly
 100 105 110

 Arg Asn Arg Ala Glu Ala Ser Leu Glu Arg Ala Gln Asn Leu Asn Pro
 115 120 125

 Met Val Asp Val Lys Val Asp Thr Glu Asp Ile Glu Lys Lys Pro Glu
 130 135 140

 Ser Phe Phe Thr Gln Phe Asp Ala Val Cys Leu Thr Cys Cys Ser Arg
 145 150 155 160

 Asp Val Ile Val Lys Val Asp Gln Ile Cys His Lys Asn Ser Ile Lys
 165 170 175

 Phe Phe Thr Gly Asp Val Phe Gly Tyr His Gly Tyr Thr Phe Ala Asn
 180 185 190

 Leu Gly Glu His Glu Phe Val Glu Glu Lys Thr Lys Val Ala Lys Val
 195 200 205

 Ser Gln Gly Val Glu Asp Gly Pro Asp Thr Lys Arg Ala Lys Leu Asp
 210 215 220

 Ser Ser Glu Thr Thr Met Val Lys Lys Val Val Phe Cys Pro Val
 225 230 235 240

 Lys Glu Ala Leu Glu Val Asp Trp Ser Ser Glu Lys Ala Lys Ala Ala
 245 250 255

 Leu Lys Arg Thr Thr Ser Asp Tyr Phe Leu Leu Gln Val Leu Lys
 260 265 270

 Phe Arg Thr Asp Lys Gly Arg Asp Pro Ser Ser Asp Thr Tyr Glu Glu
 275 280 285

 Asp Ser Glu Leu Leu Gln Ile Arg Asn Asp Val Leu Asp Ser Leu
 290 295 300

 Gly Ile Ser Pro Asp Leu Leu Pro Glu Asp Phe Val Arg Tyr Cys Phe
 305 310 315 320

 Ser Glu Met Ala Pro Val Cys Ala Val Val Gly Gly Ile Leu Ala Gln
 325 330 335

 Glu Ile Val Lys Ala Leu Ser Gln Arg Asp Pro Pro His Asn Asn Phe
 340 345 350

 Phe Phe Phe Asp Gly Met Lys Gly Asn Gly Ile Val Glu Cys Leu Gly
 355 360 365

 Pro Lys
 370

<211> 42
 <212> PRT
 <213> Homo sapiens

<400> 1837

Met Val Pro Ser Val Thr Leu Ile Leu His Cys Pro Gly Phe Ser Thr
 1 5 10 15

Glu Ser His Met Cys Gly Lys Pro Leu Ser Pro Arg Pro Thr Arg Thr
 20 25 30

Val Gly Arg Pro Val Ser Asn Ile Pro Val
 35 40

<210> 1838

<211> 89
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1838

Val Gln Gly Val Val Gln Ala Leu Lys Thr Asp His Ala Phe Cys Pro
 1 5 10 15

Xaa Leu Gln Gly Thr Glu Ser Ile Arg Leu Arg Ile Leu Glu Phe Glu
 20 25 30

Leu Asn Gln Val Arg Ser Val Ser Gln Glu Leu Pro Pro Gly Xaa Pro
 35 40 45

Glu Ser Pro Gln Thr Asp Gly Gln Pro Pro Arg Ala Trp Pro Gln Leu
 50 55 60

Gly Met Pro Ser Asn Pro Thr Cys Phe Ser Phe Leu Pro Gly Tyr Ser
 65 70 75 80

Gly Leu Arg Ser Ser Ala Leu Asn Phe
 85

<210> 1839

<211> 346

<212> PRT

<213> Homo sapiens

<400> 1839

Met Val Glu Lys Glu Glu Ala Gly Gly Gly Ile Ser Glu Glu Ala
 1 5 10 15

Ala Gln Tyr Asp Arg Gln Ile Arg Leu Trp Gly Leu Glu Ala Gln Lys
 20 25 30

Arg Leu Arg Ala Ser Arg Val Leu Leu Val Gly Leu Lys Gly Leu Gly
 35 40 45

Ala Glu Ile Ala Lys Asn Leu Ile Leu Ala Gly Val Lys Gly Leu Thr
 50 55 60

Met Leu Asp His Glu Gln Val Thr Pro Glu Asp Pro Gly Ala Gln Phe
 65 70 75 80

Leu Ile Arg Thr Gly Ser Val Gly Arg Asn Arg Ala Glu Ala Ser Leu
 85 90 95

Glu Arg Ala Gln Asn Leu Asn Pro Met Val Asp Val Lys Val Asp Thr
 100 105 110

Glu Asp Ile Glu Lys Lys Pro Glu Ser Phe Phe Thr Gln Phe Asp Ala
 115 120 125

Val Cys Leu Thr Cys Cys Ser Arg Asp Val Ile Val Lys Val Asp Gln
 130 135 140

Ile Cys His Lys Asn Ser Ile Lys Phe Phe Thr Gly Asp Val Phe Gly
 145 150 155 160

Tyr His Gly Tyr Thr Phe Ala Asn Leu Gly Glu His Glu Phe Val Glu
 165 170 175

Glu Lys Thr Lys Val Ala Lys Val Ser Gln Gly Val Glu Asp Gly Pro
 180 185 190

Asp Thr Lys Arg Ala Lys Leu Asp Ser Ser Glu Thr Thr Met Val Lys
 195 200 205

Lys Lys Val Val Phe Cys Pro Val Lys Glu Ala Leu Glu Val Asp Trp
 210 215 220

Ser Ser Glu Lys Ala Lys Ala Ala Leu Lys Arg Thr Thr Ser Asp Tyr
 225 230 235 240

Phe Leu Leu Gln Val Leu Leu Lys Phe Arg Thr Asp Lys Gly Arg Asp
 245 250 255

Pro Ser Ser Asp Thr Tyr Glu Glu Asp Ser Glu Leu Leu Gln Ile
 260 265 270

Arg Asn Asp Val Leu Asp Ser Leu Gly Ile Ser Pro Asp Leu Leu Pro
 275 280 285

Glu Asp Phe Val Arg Tyr Cys Phe Ser Glu Met Ala Pro Val Cys Ala
 290 295 300

Val Val Gly Gly Ile Leu Ala Gln Glu Ile Val Lys Ala Leu Ser Gln
 305 310 315 320

Arg Asp Pro Pro His Asn Asn Phe Phe Phe Asp Gly Met Lys Gly
 325 330 335

Asn Gly Ile Val Glu Cys Leu Gly Pro Lys
 340 345

<210> 1840

<211> 155

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1840

Met Gln His Gln Leu His Leu Leu Ile Cys Trp Gly Lys Gly Ser Lys
 1 5 10 15

Ser Asn Thr Ser Cys Leu Gly Pro Val Leu Ser Cys Ser Asn Met Trp
 20 25 30

Ser Leu Ala Leu Leu Val Val Ala Gly Ser Met Gly Val Ala Tyr Ser
 35 40 45

Ser Val Val Met Tyr Val Leu Leu Trp Val Pro Leu Pro Leu Pro Ser
 50 55 60

His Phe Leu Pro Ser Gly Ala Pro Glu Ala Gln Pro Thr Thr Trp Ala
 65 70 75 80

Gln Ser Pro His Ser Val Cys Lys Cys Gly Thr Xaa Leu Gly Pro Ala
 85 90 95

Lys Pro Gln Gly Pro Ser Leu Pro Xaa Pro Pro Cys Leu Ile Met Leu
 100 105 110

Leu Ser Cys Arg Arg Gln Leu Gly Leu Ala Pro Ser Xaa Trp Leu Pro
 115 120 125

Gly Xaa Gly Ser His Gly Glu Leu Arg Gly Cys Ser Gln Gly Trp
 130 135 140

Ala Pro Gly Ile Ala His Leu Asn Ile Cys Thr

145

150

155

<210> 1841

<211> 42

<212> PRT

<213> Homo sapiens

<400> 1841

Tyr	Thr	Phe	Gln	Cys	Leu	Ser	Gln	Thr	Cys	Ser	Tyr	Asp	Ile	Lys	Cys
1				5				10					15		

Tyr	Phe	Leu	Val	Ala	Lys	Ile	Ile	Leu	Asp	Ser	Val	Ile	Lys	Val	Tyr
				20				25				30			

Trp	Asn	Leu	Asn	Phe	Lys	Met	Ser	Pro	Asp						
				35			40								

<210> 1842

<211> 265

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1842

Pro	Lys	Leu	Glu	Leu	His	Arg	Gly	Gly	Gly	Arg	Ser	Arg	Thr	Ser	Gly
1				5				10				15			

Ser	Pro	Gly	Leu	Gln	Xaa	Phe	Gly	Thr	Arg	Arg	Thr	Arg	Gly	Arg	Ser
				20				25			30				

Gly	Arg	Ala	Gln	Gly	Arg	Leu	Lys	Arg	Pro	Gly	Lys	Leu	Ala	Cys	Arg
				35			40				45				

Lys	Phe	Pro	Gly	Arg	Arg	Gln	Arg	Val	Val	Pro	Glu	Leu	Thr	Asp	Val
				50			55				60				

Leu	Met	Asn	Glu	Ile	Leu	His	Gly	Ala	Asp	Gly	Thr	Ser	Ile	Lys	Cys
	65				70				75			80			

Gly	Ile	Ile	Gly	Glu	Ile	Gly	Cys	Ser	Trp	Pro	Leu	Thr	Glu	Ser	Glu
				85				90				95			

Arg	Lys	Val	Leu	Gln	Ala	Thr	Ala	His	Ala	Gln	Ala	Gln	Leu	Gly	Cys
				100				105				110			

Pro	Val	Ile	Ile	His	Pro	Gly	Arg	Ser	Ser	Arg	Ala	Pro	Phe	Gln	Ile
				115			120				125				

Ile	Arg	Ile	Leu	Gln	Glu	Ala	Gly	Ala	Asp	Ile	Ser	Lys	Thr	Val	Met
				130			135				140				

Ser	His	Leu	Asp	Arg	Thr	Ile	Leu	Asp	Lys	Lys	Glu	Leu	Leu	Glu	Phe

145	150	155	160
Ala Gln Leu Gly Cys Tyr Leu Glu Tyr Asp Leu Phe Gly Thr Glu Leu			
165	170	175	
Leu His Tyr Gln Leu Gly Pro Asp Ile Asp Met Pro Asp Asp Asn Lys			
180	185	190	
Arg Ile Arg Arg Val Arg Leu Leu Val Glu Glu Gly Cys Glu Asp Arg			
195	200	205	
Ile Leu Val Ala His Asp Ile His Thr Lys Thr Arg Leu Met Lys Tyr			
210	215	220	
Gly Gly His Gly Tyr Ser His Ile Leu Thr Asn Val Val Pro Lys Met			
225	230	235	240
Leu Leu Arg Gly Ile Thr Glu Asn Val Leu Asp Lys Ile Leu Ile Glu			
245	250	255	
Asn Pro Lys Gln Trp Leu Thr Phe Lys			
260	265		

<210> 1843

<211> 503
<212> PRT
<213> Homo sapiens

<400> 1843

Met	Glu	Gln	Arg	His	Val	Leu	Leu	Lys	Gln	Lys	Glu	Leu	Gly	Gly	Glu
1					5			10			15				

Glu	Pro	Glu	Pro	Ser	Leu	Arg	Glu	Gly	Pro	Gly	Gly	Leu	Val	Met	Glu
					20			25			30				

Gly	His	Leu	Phe	Lys	Arg	Ala	Ser	Asn	Ala	Phe	Lys	Thr	Trp	Ser	Arg
					35		40				45				

Arg	Trp	Phe	Thr	Ile	Gln	Ser	Asn	Gln	Leu	Val	Tyr	Gln	Lys	Lys	Tyr
					50		55			60					

Lys	Asp	Pro	Val	Thr	Val	Val	Val	Asp	Asp	Leu	Arg	Leu	Cys	Thr	Val
					65		70			75			80		

Lys	Leu	Cys	Pro	Asp	Ser	Glu	Arg	Arg	Phe	Cys	Phe	Glu	Val	Val	Ser
					85		90					95			

Thr	Ser	Lys	Ser	Cys	Leu	Leu	Gln	Ala	Asp	Ser	Glu	Arg	Leu	Leu	Gln
					100			105			110				

Leu	Trp	Val	Ser	Ala	Val	Gln	Ser	Ser	Ile	Ala	Ser	Ala	Phe	Ser	Gln
					115		120			125					

Ala	Arg	Leu	Asp	Asp	Ser	Pro	Arg	Gly	Pro	Gly	Gln	Gly	Ser	Gly	His
					130		135			140					

Leu	Ala	Ile	Gly	Ser	Ala	Ala	Thr	Leu	Gly	Ser	Gly	Gly	Met	Ala	Arg
					145		150			155			160		

Gly Arg Glu Pro Gly Gly Val Gly His Val Val Ala Gln Val Gln Ser
 165 170 175
 Val Asp Gly Asn Ala Gln Cys Cys Asp Cys Arg Glu Pro Ala Pro Glu
 180 185 190
 Trp Ala Ser Ile Asn Leu Gly Val Thr Leu Cys Ile Gln Cys Ser Gly
 195 200 205
 Ile His Arg Ser Leu Gly Val His Phe Ser Lys Val Arg Ser Leu Thr
 210 215 220
 Leu Asp Ser Trp Glu Pro Glu Leu Val Lys Leu Met Cys Glu Leu Gly
 225 230 235 240
 Asn Val Ile Ile Asn Gln Ile Tyr Glu Ala Arg Val Glu Ala Met Ala
 245 250 255
 Val Lys Lys Pro Gly Pro Ser Cys Ser Arg Gln Glu Lys Glu Ala Trp
 260 265 270
 Ile His Ala Lys Tyr Val Glu Lys Lys Phe Leu Thr Lys Leu Pro Glu
 275 280 285
 Ile Arg Gly Arg Arg Gly Arg Gly Arg Pro Arg Gly Gln Pro Pro
 290 295 300
 Val Pro Pro Lys Pro Ser Ile Arg Pro Arg Pro Gly Ser Leu Arg Ser
 305 310 315 320
 Lys Pro Glu Pro Pro Ser Glu Asp Leu Gly Ser Leu His Pro Gly Ala
 325 330 335
 Leu Leu Phe Arg Ala Ser Gly His Pro Pro Ser Leu Pro Thr Met Ala
 340 345 350
 Asp Ala Leu Ala His Gly Ala Asp Val Asn Trp Val Asn Gly Gln
 355 360 365
 Asp Asn Ala Thr Pro Leu Ile Gln Ala Thr Ala Ala Asn Ser Leu Leu
 370 375 380
 Ala Cys Glu Phe Leu Leu Gln Asn Gly Ala Asn Val Asn Gln Ala Asp
 385 390 395 400
 Ser Ala Gly Arg Gly Pro Leu His His Ala Thr Ile Leu Gly His Thr
 405 410 415
 Gly Leu Ala Cys Leu Phe Leu Lys Arg Gly Ala Asp Leu Gly Ala Arg
 420 425 430
 Asp Ser Glu Gly Arg Asp Pro Leu Thr Ile Ala Met Glu Thr Ala Asn
 435 440 445
 Ala Asp Ile Val Thr Leu Leu Arg Leu Ala Lys Met Arg Glu Ala Glu
 450 455 460
 Ala Ala Gln Gly Gln Ala Gly Asp Glu Thr Tyr Leu Asp Ile Phe Arg
 465 470 475 480

Asp Phe Ser Leu Met Ala Ser Asp Asp Pro Glu Lys Leu Ser Arg Arg
485 490 495

Ser His Asp Leu His Thr Leu
500

<210> 1844
<211> 25
<212> PRT
<213> Homo sapiens

<400> 1844
Met Ser Pro Ser Ile Arg Ile Leu Leu Val Leu Gln Gln Leu Gly Ser
1 5 10 15

Leu Met Ala Pro Leu Pro Ser Ala His
20 25

<210> 1845
<211> 25
<212> PRT
<213> Homo sapiens

<400> 1845
Met Ser Pro Ser Ile Arg Ile Leu Leu Val Leu Gln Gln Leu Gly Ser
1 5 10 15

Leu Met Ala Pro Leu Pro Ser Ala His
20 25

<210> 1846
<211> 6
<212> PRT
<213> Homo sapiens

<400> 1846
Val Phe Gln Ile Tyr Leu
1 5

<210> 1847
<211> 6
<212> PRT
<213> Homo sapiens

<400> 1847
Val Phe Gln Ile Tyr Leu
1 5

<210> 1848

<211> 107

<212> PRT

<213> Homo sapiens

<400> 1848

Met	Leu	Val	Leu	Leu	Leu	Asp	Phe	Leu	Gly	Leu	Val	His	Leu	Gly	Gln
1															
														15	

Leu	Leu	Ile	Phe	His	Ile	Tyr	Leu	Lys	Ala	Lys	Lys	Met	Thr	Thr	Phe
														30	
		20						25							

Glu	Tyr	Leu	Ile	Asn	Asn	Arg	Lys	Glu	Glu	Ser	Ser	Lys	His	Gln	Ala
														45	
				35				40							

Val	Arg	Lys	Asp	Pro	Tyr	Val	Gln	Met	Asp	Lys	Gly	Val	Leu	Gln	Gln
														60	
				50				55							

Gly	Ala	Gly	Ala	Leu	Gly	Ser	Ser	Ala	Gln	Gly	Val	Lys	Ala	Lys	Ser
														80	
				65				70				75			

Ser	Leu	Leu	Ile	His	Lys	His	Leu	Cys	His	Phe	Cys	Thr	Ser	Val	Asn
														95	
								85			90				

Gln	Asp	Gly	Asp	Ser	Thr	Ala	Arg	Val	His	Leu					
				100				105							

<210> 1849

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1849

Met	Leu	Gln	Ala	Arg	Asn	Gln	Ser	Pro	Ser	Ser	Gln	Arg	Pro	Leu	Asp
1															
														15	

Val	Leu	Arg	Arg	Asn	Gln	Asp	Pro	Gln	Ser	Pro	Ala	Ser	Ile	Ser	Val
														30	
				20				25							

Ile	Ile	Phe	Ile	Thr	Pro	Lys	Glu	Glu	Pro	Ala	Gln	Glu	Gly	Leu	
				35				40						45	

His	Leu	Gln	Glu	Asp	Gly	Leu	Pro	Ala	Thr	Ala	Glu	Asp	Ala	Ala	Thr
				50				55						60	

Cys	Leu	Thr	Val	Leu	Ser	Ser	Gln	Pro	Ala	Ser	Cys	Arg	Ala	Ser	Cys
				65				70							80

Cys	Leu	Arg	Ala	Asp	Gly	Pro	Gly	Met	Leu	Ala	His	Thr	Cys	Glu	His
				85				90							95

Ser	Thr	Gly	Lys	Trp	Glu	His	Ser	Thr	Arg	Lys	Trp	Glu	His	Ser	Thr
				100				105							110

Gly	Lys	Trp	Glu	His	Ser	Thr	Gly	Lys	Trp	Gly	Leu	Thr	Ala	Leu	Gln
				115				120							125

Asn	Gly	Ser	Thr	Val	Leu	Gly	Asn	Gly	Ser	Thr	Val	Leu	Gly	Ser	Gly
				130				135							140

Ser Thr Val Leu Arg Ser Gly Ser Thr Val Leu Arg Asn Gly Ser Thr
 145 150 155 160
 Leu Leu Arg Asn Gly Ser Thr Val Leu Gly Asn Gly His Thr Val Leu
 165 170 175
 Gly Asn Gly His Thr Val Leu Arg Asn Gly Ser Thr Val Leu Gly Asn
 180 185 190
 Gly Ser Thr Val Leu Gly Asn Gly Ser Pro Gln Tyr Trp Glu Arg Gly
 195 200 205
 Val His Ser Thr Arg Lys Trp Glu His Ser Thr Gly Lys Trp Glu His
 210 215 220
 Ser Thr Gly Lys Trp Glu His Ser Thr Gly Lys Pro Gln Thr Trp Ile
 225 230 235 240
 Leu Ser Phe Ser Ala
 245

<210> 1850

<211> 209

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (161)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (197)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1850

Met	Ala	Met	Gly	Leu	Phe	Arg	Val	Cys	Leu	Val	Val	Val	Thr	Ala	Ile
1				5					10				15		

Ile	Asn	His	Pro	Leu	Leu	Phe	Pro	Arg	Glu	Asn	Ala	Thr	Val	Pro	Glu
				20				25				30			

Asn	Glu	Glu	Glu	Ile	Ile	Arg	Lys	Met	Gln	Ala	His	Gln	Glu	Lys	Leu
				35				40				45			

Gln	Leu	Glu	Gln	Leu	Arg	Leu	Glu	Glu	Val	Ala	Arg	Leu	Ala	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

50

55

60

Glu Lys Glu Ala Leu Glu Gln Val Ala Glu Glu Gly Arg Gln Gln Asn
 65 70 75 80

Glu Thr Arg Val Ala Trp Asp Leu Trp Ser Thr Leu Cys Met Ile Leu
 85 90 95

Phe Leu Met Ile Glu Val Trp Arg Gln Asp His Gln Glu Gly Pro Ser
 100 105 110

Pro Glu Cys Leu Gly Gly Glu Asp Glu Leu Pro Gly Trp Gly Ala
 115 120 125

Pro Pro Cys Arg Ala Ser Pro Xaa Pro Thr Arg His Ala Cys His Phe
 130 135 140

Tyr Glu Arg Cys Ile Arg Gly Ala Thr Ala Asp Ala Ala Arg Thr Arg
 145 150 155 160

Xaa Phe Leu Glu Gly Phe Val Asp Xaa Leu Leu Glu Ala Leu Arg Ser
 165 170 175

Leu Cys Asn Arg Asp Thr Asp Met Glu Val Glu Asp Phe Ile Gly Val
 180 185 190

Asp Ser Met Tyr Xaa Asn Trp Gln Val Asp Arg Pro Leu Leu Cys His
 195 200 205

Leu

<210> 1851

<211> 547

<212> PRT

<213> Homo sapiens

<400> 1851

Met Ala Met Gly Leu Phe Arg Val Cys Leu Val Val Val Thr Ala Ile
 1 5 10 15

Ile Asn His Pro Leu Leu Phe Pro Arg Glu Asn Ala Thr Val Pro Glu
 20 25 30

Asn Glu Glu Glu Ile Ile Arg Lys Met Gln Ala His Gln Glu Lys Leu
 35 40 45

Gln Leu Glu Gln Leu Arg Leu Glu Glu Val Ala Arg Leu Ala Ala
 50 55 60

Glu Lys Glu Ala Leu Glu Gln Val Ala Glu Glu Gly Arg Gln Gln Asn
 65 70 75 80

Glu Thr Arg Val Ala Trp Asp Leu Trp Ser Thr Leu Cys Met Ile Leu
 85 90 95

Phe Leu Met Ile Glu Val Trp Arg Gln Asp His Gln Glu Gly Pro Ser
 100 105 110

Pro Glu Cys Leu Gly Gly Glu Glu Asp Glu Leu Pro Gly Leu Gly Gly
 115 120 125

Ala Pro Leu Gln Gly Leu Thr Leu Pro Asn Lys Ala Thr Leu Gly His
 130 135 140

Phe Tyr Glu Arg Cys Ile Arg Gly Ala Thr Ala Asp Ala Ala Arg Thr
 145 150 155 160

Arg Glu Phe Leu Glu Gly Phe Val Asp Asp Leu Leu Glu Ala Leu Arg
 165 170 175

Ser Leu Cys Asn Arg Asp Thr Asp Met Glu Val Glu Asp Phe Ile Gly
 180 185 190

Val Asp Ser Met Tyr Glu Asn Trp Gln Val Asp Arg Pro Leu Leu Cys
 195 200 205

His Leu Phe Val Pro Phe Thr Pro Pro Glu Pro Tyr Arg Phe His Pro
 210 215 220

Glu Leu Trp Cys Ser Gly Arg Ser Val Pro Leu Asp Arg Gln Gly Tyr
 225 230 235 240

Gly Gln Ile Lys Val Val Arg Ala Asp Gly Asp Thr Leu Ser Cys Ile
 245 250 255

Cys Gly Lys Thr Lys Leu Gly Glu Asp Met Leu Cys Leu Leu His Gly
 260 265 270

Arg Asn Ser Met Ala Pro Pro Cys Gly Asp Met Glu Asn Leu Leu Cys
 275 280 285

Ala Thr Asp Ser Leu Tyr Leu Asp Thr Met Gln Val Met Lys Trp Phe
 290 295 300

Gln Thr Ala Leu Thr Arg Ala Trp Lys Gly Ile Ala His Lys Tyr Glu
 305 310 315 320

Phe Asp Leu Ala Phe Gly Gln Leu Asp Ser Pro Gly Ser Leu Lys Ile
 325 330 335

Lys Phe Arg Ser Gly Lys Phe Met Pro Phe Asn Leu Ile Pro Val Ile
 340 345 350

Gln Cys Asp Asp Ser Asp Leu Tyr Phe Val Ser His Leu Pro Arg Glu
 355 360 365

Pro Ser Glu Gly Thr Pro Ala Ser Ser Thr Asp Trp Leu Leu Ser Phe
 370 375 380

Ala Val Tyr Glu Arg His Phe Leu Arg Thr Thr Leu Lys Ala Leu Pro
 385 390 395 400

Glu Gly Ala Cys His Leu Ser Cys Leu Gln Ile Ala Ser Phe Leu Leu
 405 410 415

Ser Lys Gln Ser Arg Leu Thr Gly Pro Ser Gly Leu Ser Ser Tyr His
 420 425 430

Leu Lys Thr Ala Leu Leu His Leu Leu Leu Leu Arg Gln Ala Ala Asp
 435 440 445

Trp Lys Ala Gly Gln Leu Asp Ala Arg Leu His Glu Leu Leu Cys Phe
 450 455 460

Leu Glu Lys Ser Leu Leu Gln Lys Lys Leu His His Phe Phe Ile Gly
 465 470 475 480

Asn Arg Lys Val Pro Glu Ala Met Gly Leu Pro Glu Ala Val Leu Arg
 485 490 495

Ala Glu Pro Leu Asn Leu Phe Arg Pro Phe Val Leu Gln Arg Ser Leu
 500 505 510

Tyr Arg Lys Thr Leu Asp Ser Phe Tyr Glu Met Leu Lys Asn Ala Pro
 515 520 525

Ala Leu Ile Ser Glu Tyr Ser Leu His Val Pro Ser Asp Gln Pro Thr
 530 535 540

Pro Lys Ser
 545

<210> 1852

<211> 213

<212> PRT

<213> Homo sapiens

<400> 1852

Leu Leu Phe Leu Ser Leu Leu Gln Met Gln Glu Leu Leu Gly Arg Gly
 1 5 10 15

Ala Trp Ala Pro Gly Cys Gly Arg Arg Pro Ser Gly Trp Gly Gln Leu
 20 25 30

Ala Cys Pro Asp Pro Leu Leu Pro Pro His Asn Pro Lys Ser Pro Gln
 35 40 45

Pro Gly Pro Ser Thr Ser Gly Val Trp Gly Glu Glu Gln Gly Leu Arg
 50 55 60

Thr Leu Ser Ser Glu His Pro Trp Gln Gly Leu Gln Pro Leu Ile Ser
 65 70 75 80

Ser Leu Lys Pro Cys Gly His Thr Ala Arg Arg Asp Leu Pro Leu Ala
 85 90 95

Pro Ala Ser Phe Gln Pro Arg Val Leu Ile Gln Gly Pro Arg Thr Val
 100 105 110

Pro Pro Val Leu Leu Cys Pro Gln His Lys Ala Arg Leu His Ser Gln
 115 120 125

Lys Cys Ser Gln Ala Leu Glu Gly Asp Pro Ala Ser Ser Pro Thr Ala
 130 135 140

Pro His Pro Thr His Pro Ser Ala Ala Pro Leu Leu Phe Pro Arg Asp
 145 150 155 160

Leu Ser Tyr Thr Gly Gln Glu Ala Ala Glu Arg Val Ser Pro Pro Pro
 165 170 175

Ser Lys Arg Ser Cys Ser Leu Cys Gln Asn Arg Val Trp Ala Gly Gly
 180 185 190

Arg Ala Leu Gly Ala Arg Pro Leu Pro Ala Gly Phe Ser Trp
 195 200 205

Ser Leu Cys Trp Lys
 210

<210> 1853

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1853.

Met Gly Met Gly Arg Gly Ala Gly Arg Ser Ala Leu Gly Phe Trp Pro
 1 5 10 15

Thr Leu Ala Phe Leu Leu Cys Ser Phe Pro Ala Ala Thr Ser Pro Cys
 20 25 30

Lys Ile Leu Lys Cys Asn Ser Glu Phe Trp Ser Ala Thr Ser Gly Ser
 35 40 45

His Ala Pro Ala Ser Asp Asp Thr Pro Glu Phe Cys Ala Ala Leu Arg
 50 55 60

Ser Tyr Ala Leu Cys Thr Arg Arg Thr Ala Arg Thr Cys Arg Gly Asp
 65 70 75 80

Leu Ala Tyr His Ser Ala Val His Gly Ile Xaa Asp Leu Met Ser Gln
 85 90 95

His Asn Cys Ser Lys Asp Gly Pro Thr Ser Gln Pro Arg Leu Arg Thr
 100 105 110

Leu Pro Pro Ala Glu Thr Ala Arg Ser Ala Arg Thr Ala Pro Arg Ser

115

120

125

Ala Ile Thr Arg Arg Ala Phe Thr Ser Thr Arg Xaa Pro Pro Thr Thr
 130 135 140

Arg Thr Val Ala Ser Ser Gly Thr His Thr Phe Arg Thr Phe Thr Asp
 145 150 155 160

Arg Phe Gln Thr Cys Lys Val Gln Xaa Arg Leu Ala Ala His Arg Gln
 165 170 175

Leu Ile Thr

<210> 1854

<211> 357

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (325)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (329)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (335)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (338)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (339)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1854

Met Gly Met Gly Arg Gly Ala Gly Arg Ser Ala Leu Gly Phe Trp Pro
 1 5 10 15

Thr Leu Ala Phe Leu Leu Cys Ser Phe Pro Ala Ala Thr Ser Pro Cys
 20 25 30

Lys Ile Leu Lys Cys Asn Ser Glu Phe Trp Ser Ala Thr Ser Gly Ser
 35 40 45

His Ala Pro Ala Ser Asp Asp Thr Pro Glu Phe Cys Ala Ala Leu Arg
 50 55 60
 Ser Tyr Ala Leu Cys Thr Arg Arg Thr Ala Arg Thr Cys Arg Gly Asp
 65 70 75 80
 Leu Ala Tyr His Ser Ala Val His Gly Ile Glu Asp Leu Met Ser Gln
 85 90 95
 His Asn Cys Ser Lys Asp Gly Pro Thr Ser Gln Pro Arg Leu Arg Thr
 100 105 110
 Leu Pro Pro Ala Gly Asp Ser Gln Glu Arg Ser Asp Ser Pro Glu Ile
 115 120 125
 Cys His Tyr Glu Lys Ser Phe His Lys His Ser Xaa Thr Pro Asn Tyr
 130 135 140
 Thr His Cys Gly Leu Phe Gly Asp Pro His Leu Arg Thr Phe Thr Asp
 145 150 155 160
 Arg Phe Gln Thr Cys Lys Val Gln Gly Ala Trp Pro Leu Ile Asp Asn
 165 170 175
 Asn Tyr Leu Asn Val Gln Val Thr Asn Thr Pro Val Leu Pro Gly Ser
 180 185 190
 Ala Ala Thr Ala Thr Ser Lys Leu Thr Ile Ile Phe Lys Asn Phe Gln
 195 200 205
 Glu Cys Val Asp Gln Lys Val Tyr Gln Ala Glu Met Asp Glu Leu Pro
 210 215 220
 Ala Ala Phe Val Asp Gly Ser Lys Asn Gly Gly Asp Lys His Gly Ala
 225 230 235 240
 Asn Ser Leu Lys Ile Thr Glu Lys Val Ser Gly Gln His Val Glu Ile
 245 250 255
 Gln Ala Lys Tyr Ile Gly Thr Thr Ile Val Val Arg Gln Val Gly Arg
 260 265 270
 Tyr Leu Thr Phe Ala Val Arg Met Pro Glu Glu Val Val Asn Ala Val
 275 280 285
 Glu Asp Trp Asp Ser Gln Gly Leu Tyr Leu Cys Leu Arg Gly Cys Pro
 290 295 300
 Leu Asn Gln Gln Ile Asp Phe Gln Ala Phe His Thr Asn Ala Glu Gly
 305 310 315 320
 Thr Gly Ala Arg Xaa Leu Ala Xaa Ser Leu Asp Pro Gln Xaa Pro
 325 330 335
 Arg Xaa Xaa His Thr Arg Gln Ala Val Ala Lys Cys Lys Glu Lys Leu
 340 345 350
 Pro Val Glu Asp Leu
 355

<210> 1855

<211> 434

<212> PRT

<213> Homo sapiens

<400> 1855

Met Gly Met Gly Arg Gly Ala Gly Arg Ser Ala Leu Gly Phe Trp Pro
1 5 10 15

Thr Leu Ala Phe Leu Leu Cys Ser Phe Pro Ala Ala Thr Ser Pro Cys
20 25 30

Lys Ile Leu Lys Cys Asn Ser Glu Phe Trp Ser Ala Thr Ser Gly Ser
35 40 45

His Ala Pro Ala Ser Asp Asp Thr Pro Glu Phe Cys Ala Ala Leu Arg
50 55 60

Ser Tyr Ala Leu Cys Thr Arg Arg Thr Ala Arg Thr Cys Arg Gly Asp
65 70 75 80

Leu Ala Tyr His Ser Ala Val His Gly Ile Glu Asp Leu Met Ser Gln
85 90 95

His Asn Cys Ser Lys Asp Gly Pro Thr Ser Gln Pro Arg Leu Arg Thr
100 105 110

Leu Pro Pro Ala Gly Asp Ser Gln Glu Arg Ser Asp Ser Pro Glu Ile
115 120 125

Cys His Tyr Glu Lys Ser Phe His Lys His Ser Ala Thr Pro Asn Tyr
130 135 140

Thr His Cys Gly Leu Phe Gly Asp Pro His Leu Arg Thr Phe Thr Asp
145 150 155 160

Arg Phe Gln Thr Cys Lys Val Gln Gly Ala Trp Pro Leu Ile Asp Asn
165 170 175

Asn Tyr Leu Asn Val Gln Val Thr Asn Thr Pro Val Leu Pro Gly Ser
180 185 190

Ala Ala Thr Ala Thr Ser Lys Leu Thr Ile Ile Phe Lys Asn Phe Gln
195 200 205

Glu Cys Val Asp Gln Lys Val Tyr Gln Ala Glu Met Asp Glu Leu Pro
210 215 220

Ala Ala Phe Val Asp Gly Ser Lys Asn Gly Gly Asp Lys His Gly Ala
225 230 235 240

Asn Ser Leu Lys Ile Thr Glu Lys Val Ser Gly Gln His Val Glu Ile
245 250 255

Gln Ala Lys Tyr Ile Gly Thr Thr Ile Val Val Arg Gln Val Gly Arg
260 265 270

Tyr Leu Thr Phe Ala Val Arg Met Pro Glu Glu Val Val Asn Ala Val
 275 280 285

Glu Asp Trp Asp Ser Gln Gly Leu Tyr Leu Cys Leu Arg Gly Cys Pro
 290 295 300

Leu Asn Gln Gln Ile Asp Phe Gln Ala Phe His Thr Asn Ala Glu Gly
 305 310 315 320

Thr Gly Ala Arg Arg Leu Ala Ala Ser Pro Ala Pro Thr Ala Pro
 325 330 335

Glu Thr Phe Pro Tyr Glu Thr Ala Val Ala Lys Cys Lys Glu Lys Leu
 340 345 350

Pro Val Glu Asp Leu Tyr Tyr Gln Ala Cys Val Phe Asp Leu Leu Thr
 355 360 365

Thr Gly Asp Val Asn Phe Thr Leu Ala Ala Tyr Tyr Ala Leu Glu Asp
 370 375 380

Val Lys Met Leu His Ser Asn Lys Asp Lys Leu His Leu Tyr Glu Arg
 385 390 395 400

Thr Arg Asp Leu Pro Gly Arg Ala Ala Gly Leu Pro Leu Ala Pro
 405 410 415

Arg Pro Leu Leu Gly Ala Leu Val Pro Leu Leu Ala Leu Leu Pro Val
 420 425 430

Phe Cys

<210> 1856

<211> 712

<212> PRT

<213> Homo sapiens

<400> 1856

Met Gly Gln Gly Leu Lys Ala Trp Pro Arg Tyr Arg Val Val Gly Ser
 1 5 10 15

Ala Asp Ala Gly Gln Tyr Asn Leu Glu Ile Thr Asp Ala Glu Leu Ser
 20 25 30

Asp Asp Ala Ser Tyr Glu Cys Gln Ala Thr Glu Ala Ala Leu Arg Ser
 35 40 45

Arg Arg Ala Lys Leu Thr Val Leu Ile Pro Pro Glu Asp Thr Arg Ile
 50 55 60

Asp Gly Gly Pro Val Ile Leu Leu Gln Ala Gly Thr Pro His Asn Leu
 65 70 75 80

Thr Cys Arg Ala Phe Asn Ala Lys Pro Ala Ala Thr Ile Ile Trp Phe
 85 90 95

Arg Asp Gly Thr Gln Gln Glu Gly Ala Val Ala Ser Thr Glu Leu Leu

100	105	110
Lys Asp Gly Lys Arg Glu Thr Thr Val Ser Gln Leu Leu Ile Asn Pro		
115	120	125
Thr Asp Leu Asp Ile Gly Arg Val Phe Thr Cys Arg Ser Met Asn Glu		
130	135	140
Ala Ile Pro Ser Gly Lys Glu Thr Ser Ile Glu Leu Asp Val His His		
145	150	155
Pro Pro Thr Val Thr Leu Ser Ile Glu Pro Gln Thr Val Gln Glu Gly		
165	170	175
Glu Arg Val Val Phe Thr Cys Gln Ala Thr Ala Asn Pro Glu Ile Leu		
180	185	190
Gly Tyr Arg Trp Ala Lys Gly Gly Phe Leu Ile Glu Asp Ala His Glu		
195	200	205
Ser Arg Tyr Glu Thr Asn Val Asp Tyr Ser Phe Phe Thr Glu Pro Val		
210	215	220
Ser Cys Glu Val His Asn Lys Val Gly Ser Thr Asn Val Ser Thr Leu		
225	230	235
Val Asn Val His Phe Ala Pro Arg Ile Val Val Asp Pro Lys Pro Thr		
245	250	255
Thr Thr Asp Ile Gly Ser Asp Val Thr Leu Thr Cys Val Trp Val Gly		
260	265	270
Asn Pro Pro Leu Thr Leu Thr Trp Thr Lys Lys Asp Ser Asn Met Gly		
275	280	285
Pro Arg Pro Pro Gly Ser Pro Pro Glu Ala Ala Leu Ser Ala Gln Val		
290	295	300
Leu Ser Asn Ser Asn Gln Leu Leu Leu Lys Ser Val Thr Gln Ala Asp		
305	310	315
Ala Gly Thr Tyr Thr Cys Arg Ala Ile Val Pro Arg Ile Gly Val Ala		
325	330	335
Glu Arg Glu Val Pro Leu Tyr Val Asn Gly Pro Pro Ile Ile Ser Ser		
340	345	350
Glu Ala Val Gln Tyr Ala Val Arg Gly Asp Gly Gly Lys Val Glu Cys		
355	360	365
Phe Ile Gly Ser Thr Pro Pro Asp Arg Ile Ala Trp Ala Trp Lys		
370	375	380
Glu Asn Phe Leu Glu Val Gly Thr Leu Glu Arg Tyr Thr Val Glu Arg		
385	390	395
400		
Thr Asn Ser Gly Ser Gly Val Leu Ser Thr Leu Thr Ile Asn Asn Val		
405	410	415
Met Glu Ala Asp Phe Gln Thr His Tyr Asn Cys Thr Ala Trp Asn Ser		

420

425

430

Phe Gly Pro Gly Thr Ala Ile Ile Gln Leu Glu Glu Arg Glu Val Leu
 435 440 445

Pro Val Gly Ile Ile Ala Gly Ala Thr Ile Gly Ala Ser Ile Leu Leu
 450 455 460

Ile Phe Phe Ile Ala Leu Val Phe Phe Leu Tyr Arg Arg Arg Lys
 465 470 475 480

Gly Ser Arg Lys Asp Val Thr Leu Arg Lys Leu Asp Ile Lys Val Glu
 485 490 495

Thr Val Asn Arg Glu Pro Leu Thr Met His Ser Asp Arg Glu Asp Asp
 500 505 510

Thr Ala Ser Val Ser Thr Ala Thr Arg Val Met Lys Ala Ile Tyr Ser
 515 520 525

Ser Phe Lys Asp Asp Val Asp Leu Lys Gln Asp Leu Arg Cys Asp Thr
 530 535 540

Ile Asp Thr Arg Glu Glu Tyr Glu Met Lys Asp Pro Thr Asn Gly Tyr
 545 550 555 560

Tyr Asn Val Arg Ala His Glu Asp Arg Pro Ser Ser Arg Ala Val Leu
 565 570 575

Tyr Ala Asp Tyr Arg Ala Pro Gly Pro Ala Arg Phe Asp Gly Arg Pro
 580 585 590

Ser Ser Arg Leu Ser His Ser Ser Gly Tyr Ala Gln Leu Asn Thr Tyr
 595 600 605

Ser Arg Gly Pro Ala Ser Asp Tyr Gly Pro Glu Pro Thr Pro Pro Gly
 610 615 620

Pro Ala Ala Pro Ala Gly Thr Asp Thr Thr Ser Gln Leu Ser Tyr Glu
 625 630 635 640

Asn Tyr Glu Lys Phe Asn Ser His Pro Phe Pro Gly Ala Ala Gly Tyr
 645 650 655

Pro Thr Tyr Arg Leu Gly Tyr Pro Gln Ala Pro Pro Ser Gly Leu Glu
 660 665 670

Arg Thr Pro Tyr Glu Ala Tyr Asp Pro Ile Gly Lys Tyr Ala Thr Ala
 675 680 685

Thr Arg Phe Ser Tyr Thr Ser Gln His Ser Asp Tyr Gly Gln Arg Phe
 690 695 700

Gln Gln Arg Met Gln Thr His Val
 705 710

<210> 1857

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1857

Met Thr Ala Leu Met Ala Leu Val Met His Arg Leu Ala Leu Tyr Val
1 5 10 15

Cys Val Leu Ser Thr Thr Ala Ala Leu Arg Gly Arg Asp Glu Ala Leu
20 25 30

Gly Gly Glu Ala Ala Cys Leu Val Val Phe Trp Gly Pro His Ser His
35 40 45

Asp Ile Glu Arg Gln Gly Gln Glu Gly Thr Gly Leu Asp Leu Arg Leu
50 55 60

Ala Pro Gln Cys Ala Lys Asp Ser Val Thr Val Ser Arg Ser Cys Ser
65 70 75 80

Val

<210> 1858

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1858

Met Thr Ala Leu Met Ala Leu Val Met His Arg Leu Ala Leu Tyr Val
1 5 10 15

Cys Val Leu Ser Thr Thr Ala Ala Leu Arg Gly Arg Asp Glu Ala Leu
20 25 30

Gly Gly Glu Ala Ala Cys Leu Val Val Phe Trp Gly Pro His Ser His
35 40 45

Asp Ile Glu Arg Gln Gly Gln Glu Gly Thr Gly Leu Asp Leu Arg Leu
50 55 60

Ala Pro Gln Cys Ala Lys Asp Ser Val Thr Val Ser Arg Ser Cys Ser
65 70 75 80

Val

<210> 1859

<211> 104

<212> PRT

<213> Homo sapiens

<400> 1859

Met Tyr Trp Gly Ile Phe Phe Ser Ile Leu Asn Phe Leu Ala Phe Phe
1 5 10 15

Ser Leu Val Leu Ile Ser Val Leu Leu Trp Thr Gly Met Val Val Phe

20

25

30

Arg Ser Leu Asp Pro Gly Ala Glu Leu Val Gly Phe Glu Ser His Leu
 35 40 45

Tyr His Cys Cys Val Thr Ser Gly Asn Leu Pro Asn Phe Pro Gly Pro
 50 55 60

Gln Phe Ser Tyr Ile Glu Asn Gly Asn Asn Lys Ser Ile Cys Phe Ile
 65 70 75 80

Gly Leu Leu Arg Glu Phe Ala Asn Ser Ile Tyr Ala Asn Leu Leu Asp
 85 90 95

Gln Cys Leu Ala His Asn Ser Gln
 100

<210> 1860

<211> 104

<212> PRT

<213> Homo sapiens

<400> 1860

Met Tyr Trp Gly Ile Phe Phe Ser Ile Leu Asn Phe Leu Ala Phe Phe
 1 5 10 15

Ser Leu Val Leu Ile Ser Val Leu Leu Trp Thr Gly Met Val Val Phe
 20 25 30

Arg Ser Leu Asp Pro Gly Ala Glu Leu Val Gly Phe Glu Ser His Leu
 35 40 45

Tyr His Cys Cys Val Thr Ser Gly Asn Leu Pro Asn Phe Pro Gly Pro
 50 55 60

Gln Phe Ser Tyr Ile Glu Asn Gly Asn Asn Lys Ser Ile Cys Phe Ile
 65 70 75 80

Gly Leu Leu Arg Glu Phe Ala Asn Ser Ile Tyr Ala Asn Leu Leu Asp
 85 90 95

Gln Cys Leu Ala His Asn Ser Gln
 100

<210> 1861

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1861

Met	Ala	Ser	Tyr	Lys	Thr	Leu	Lys	Met	Leu	Phe	Ser	Cys	Leu	Leu	Thr
1								5					10		15

Cys	Ser	Val	Ser	Asn	Glu	Xaa	Tyr	Ala	Val	Ile	Phe	Asn	Phe	Phe	Pro
									20				25		30

Leu	Tyr	Ile	Xaa	Phe	Leu	Ser	Asp	Cys	Phe	Lys	Xaa	Phe	Ser	Leu	Ser
									35				40		45

Leu	Val	Leu	Ser	Asn	Leu	Ile	Ile	Ile	Tyr	Leu	Gly	Val	Ile	Phe	Phe
									50			55		60	

Ile	Phe	Phe	Val	Leu	Asp	Ile	His	Arg	Ser	Ser					
						65			70				75		

<210> 1862

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1862

Xaa	Tyr	Thr	Phe	Val	Asn	Ser	Arg	Ser	Xaa	Xaa	Leu	Ile	Asp	Phe	Leu
1									5			10		15	

Cys	Val	Ile	Met	Gly	His	Leu	Phe	Leu	Val	His	Phe	Met	Pro	Asp	Ile
									20			25		30	

Leu	Lys	Phe	Lys	Thr	Lys	Tyr	Cys	Glu	Phe	Tyr	Leu	Val	Leu	Cys	Trp
									35			40		45	

Ile	Phe	Phe	Val	Phe	Leu	Ser	Thr	Ile	Met	Ser	Phe	Leu	Leu	Gly	Cys
								50			55		60		

Ser	Tyr	Ser	His	Trp	Lys	Gln	Phe								
-----	-----	-----	-----	-----	-----	-----	-----	--	--	--	--	--	--	--	--

65

70

<210> 1863

<211> 75

<212> PRT

<213> Homo sapiens

<400> 1863

Met Ala Ser Tyr Lys Thr Leu Lys Met Leu Phe Ser Cys Leu Leu Thr			
1	5	10	15

Cys Ser Val Ser Asn Glu Gln Tyr Ala Val Ile Phe Asn Phe Phe Pro			
20	25	30	

Leu Tyr Ile Cys Phe Leu Ser Asp Cys Phe Lys Cys Phe Ser Leu Ser			
35	40	45	

Leu Val Leu Ser Asn Leu Ile Ile Tyr Leu Gly Val Ile Phe Phe			
50	55	60	

Ile Phe Phe Val Leu Asp Ile His Arg Ser Ser			
65	70	75	

<210> 1864

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1864

Met Arg Leu Cys Gln Arg Pro Gly Leu Val Leu Ala Leu Pro Pro Gln			
1	5	10	15

Leu Ser Phe Ser Thr Ala Arg Gly Gly Asp Ser Arg Met Leu Gly Leu			
20	25	30	

Pro Leu Gly Arg Xaa Thr Ser Gly Lys Val Gln Gly Asp Ser Thr Thr			
35	40	45	

Val Lys Leu Arg Phe Gly Leu Gln Leu Gly Val Leu Gly Gln Arg			
50	55	60	

<210> 1865

<211> 157

<212> PRT

<213> Homo sapiens

<400> 1865

Gly Gln Arg Gly Arg Pro Ala Ala Thr Ser His Arg Ile Leu Ser Ser			
1	5	10	15

His Ser Leu Ala Ser Gly Cys Pro Val Phe Arg Gly Gly Glu Gly Thr			
20	25	30	
Gly Ala Arg Ser Thr Pro Leu Ala Leu Leu Asp Pro Lys Ala Arg			
35	40	45	
Pro Asp Pro Phe Ile Pro Trp Gly Ala Pro Ala Ser Ala Ile Gly Met			
50	55	60	
Arg Ser Leu Lys Ser Leu His Lys Gln Val Arg Asp Pro Pro Thr Cys			
65	70	75	80
Arg Ser Trp Ala Thr Pro Arg Ala Ile Pro Arg Gly Cys Gly Arg Thr			
85	90	95	
Gln Pro Pro Thr Asp Arg Arg Pro Glu Ser Ser Glu Gly Ala Ile Pro			
100	105	110	
Ile Pro Thr Ser Gly Glu Ala Arg Thr Ala Ile Val Ala Ser Gly Lys			
115	120	125	
Thr Gln Leu Glu Pro Asn Gly Pro Cys Pro His Cys Asn Cys Ala Glu			
130	135	140	
Asn Val Ser Gln Met Thr Gln Ile Gly Ser Tyr Phe Phe			
145	150	155	

<210> 1866

<211> 47

<212> PRT

<213> Homo sapiens

<400> 1866

Met Arg Leu Cys Gln Arg Pro Gly Leu Val Leu Ala Leu Pro Pro Gln			
1	5	10	15

Leu Ser Phe Ser Thr Ala Arg Gly Gly Asp Ser Arg Met Leu Gly Leu			
20	25	30	

Pro Leu Gly Arg Gly Thr Leu Glu Gly Gln Gly Asp Pro Gln Leu			
35	40	45	

<210> 1867

<211> 89

<212> PRT

<213> Homo sapiens

<400> 1867

Met Leu Ser Trp Leu Leu His Phe Tyr Phe Leu Thr Leu Ile Leu Met			
1	5	10	15

Asn Lys Ala Ser Leu Met Asn Gln Leu Lys Ser Cys Lys Asn Val Phe			
20	25	30	

Lys Met Cys Ala Phe Tyr Tyr Leu Ser Val Tyr Val Leu Gly Glu Met

35

40

45

Gly Ser Asn Arg Ser Leu Cys Pro Asp Val Gln Asp Ala Cys Tyr His
 50 55 60

Thr His Lys Cys Leu Ile Leu Val Phe Met Trp Pro Leu Ser Pro Val
 65 70 75 80

Asp Phe Pro Leu Met Cys Phe Leu Leu
 85

<210> 1868

<211> 89

<212> PRT

<213> Homo sapiens

<400> 1868

Met Leu Ser Trp Leu Leu His Phe Tyr Phe Leu Thr Leu Ile Leu Met
 1 5 10 15

Asn Lys Ala Ser Leu Met Asn Gln Leu Lys Ser Cys Lys Asn Val Phe
 20 25 30

Lys Met Cys Ala Phe Tyr Tyr Leu Ser Val Tyr Val Leu Gly Glu Met
 35 40 45

Gly Ser Asn Arg Ser Leu Cys Pro Asp Val Gln Asp Ala Cys Tyr His
 50 55 60

Thr His Lys Cys Leu Ile Leu Val Phe Met Trp Pro Leu Ser Pro Val
 65 70 75 80

Asp Phe Pro Leu Met Cys Phe Leu Leu
 85

<210> 1869

<211> 93

<212> PRT

<213> Homo sapiens

<400> 1869

Met Leu Ile Ser Lys Gly Val Gln Leu Leu Cys Lys Ala Val Tyr Pro
 1 5 10 15

Ser His Leu Trp Ser Phe Leu Val Leu Leu Phe Thr Val Met Lys Thr
 20 25 30

Glu Pro Val Ser Ala Leu Gly Cys Gly Asp Gln Cys His Gln Ser Leu
 35 40 45

Leu Leu Arg Asp Tyr Pro Leu Ala Asn Ile Pro Ile Cys Gly Trp Ala
 50 55 60

Trp Arg Val Tyr Leu Phe Leu Gly Cys Val Cys Ile Cys Val Cys Val
 65 70 75 80

Cys Val Cys Val Phe Asn Ser Ser Val Cys Lys Leu Phe
· 85 90

<210> 1870

<211> 304

<212> PRT

<213> Homo ·sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids.

<220>

<221> SITE

<222> (166)

<2223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<221> SITE
<222> (231)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1870

Met Ser Ser Ser Glu Met Trp Thr Val Leu Trp His Arg Phe Ser Met
1 5 10 15

Val Leu Arg Leu Pro Glu Glu Ala Ser Ala Gln Glu Gly Glu Leu Ser
20 25 30

Gln Gly Ile Phe Leu Ser His Gly Ser Ile Leu Met Ser Ile Leu Lys
50 55 60

His Leu Leu Cys Pro Ser Phe Leu Asn Gln Leu Arg Gln Ala Pro His
65 70 75 80

Gly Ser Glu Phe Leu Pro Val Val Val Leu Ser Val Cys Gln Leu Leu
85 90 95

Cys Xaa Pro Phe Ala Leu Asp Met Asp Ala Asp Leu Leu Ile Asp Val
100 105 110

Leu Ala Asp Leu Arg Asp Ser Glu Val Ala Ala His Leu Leu Gin Val
115 120 125

Cys Cys Tyr His Leu Pro Leu Met Gln Val Glu Leu Pro Ile Ser Leu
130 135 140

Leu Thr Arg Leu Ala Leu Met Asp Pro Thr Ser Leu Asn Gln Phe Val
145 150 155 160

ASH Thr Val Ser Ala Asp Pro Arg Thr Ile Val Ser Phe Leu Ser Val
165 170 175

Ala Leu Ileu Ser Asp Gln Pro Leu Leu Thr Ser Asp Leu Ileu Ser Leu

180	185	190
Leu Ala His Thr Ala Arg Val Leu Ser Pro Ser His Leu Ser Phe Ile		
195	200	205
Gln Glu Leu Leu Ala Gly Ser Asp Glu Ser Tyr Arg Pro Leu Arg Ser		
210	215	220
Ser Trp Ala Thr Gln Arg Xaa Leu Cys Gly His Thr Leu Ile Gly Ser		
225	230	235
Trp Asp Thr Cys Ser Asn Thr Ala Trp Pro Cys Val Gly His Cys Arg		
245	250	255
Ala Ser Leu Asp Cys Ser Ala Phe Cys Cys Leu Gly Leu Glu Thr Arg		
260	265	270
Ile Leu Leu Cys Gly Ala Val Pro Ala Leu Leu Trp Ala Met Gln Pro		
275	280	285
Thr Arg Leu Val Leu Trp Asp Leu Pro Trp Gln Leu Gln Cys Pro Val		
290	295	300

<210> 1871

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1871

Met Ala Val Met Cys Val Ala Gly Leu Phe Phe Ile Pro Val Ala Gly		
1	5	10
		15

Leu Thr Gly Phe His Val Val Leu Val Ala Arg Gly Arg Thr Thr Asn		
20	25	30

Glu Gln Val Thr Gly Lys Phe Arg Gly Gly Val Asn Pro Phe Thr Asn		
35	40	45

Gly Cys Cys Asn Asn Xaa Ser Arg Val Leu Cys Ser Ser Pro Ala Pro		
50	55	60

Arg Tyr Leu Gly Arg Pro Xaa Lys Glu Lys Thr Ile Val Ile Arg Pro
 65 70 75 80

Pro Phe Leu Arg Pro Arg Ser Phe Xaa Trp Ala
 85 90

<210> 1872

<211> 210

<212> PRT

<213> Homo sapiens

<400> 1872

Met Ala Val Met Cys Val Ala Gly Leu Phe Phe Ile Pro Val Ala Gly
 1 5 10 15

Leu Thr Gly Phe His Val Val Leu Val Ala Arg Gly Arg Thr Thr Asn
 20 25 30

Glu Gln Val Thr Gly Lys Phe Arg Gly Gly Val Asn Pro Phe Thr Asn
 35 40 45

Gly Cys Cys Asn Asn Val Ser Arg Val Leu Cys Ser Ser Pro Ala Pro
 50 55 60

Arg Tyr Leu Gly Arg Pro Lys Lys Glu Lys Thr Ile Val Ile Arg Pro
 65 70 75 80

Pro Phe Leu Arg Pro Glu Val Ser Asp Gly Gln Ile Thr Val Lys Ile
 85 90 95

Met Asp Asn Gly Ile Gln Gly Glu Leu Arg Arg Thr Lys Ser Lys Gly
 100 105 110

Ser Leu Glu Ile Thr Glu Ser Gln Ser Ala Asp Ala Glu Pro Pro Pro
 115 120 125

Pro Pro Lys Pro Asp Leu Ser Arg Tyr Thr Gly Leu Arg Thr His Leu
 130 135 140

Gly Leu Ala Thr Asn Glu Asp Ser Ser Leu Leu Ala Lys Asp Ser Pro
 145 150 155 160

Pro Thr Pro Thr Met Tyr Lys Tyr Arg Pro Gly Tyr Ser Ser Ser Ser
 165 170 175

Thr Ser Ala Ala Met Pro His Ser Ser Ser Ala Lys Val Leu Ser Thr
 180 185 190

Leu Arg Gly Gly Val Ile Thr Cys Gln Leu Ala Arg His Ser Gly Ser
 195 200 205

Phe Leu
 210

<210> 1873

<211> 193

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1873

Met	Gly	Pro	Leu	Ser	Pro	Ala	Arg	Thr	Leu	Arg	Leu	Trp	Gly	Pro	Arg
1					5				10					15	

Ser	Leu	Gly	Val	Ala	Leu	Gly	Val	Phe	Met	Thr	Ile	Gly	Phe	Ala	Leu
									20		25			30	

Gln	Leu	Leu	Gly	Gly	Pro	Phe	Gln	Arg	Arg	Leu	Pro	Gly	Leu	Gln	Leu
									35		40			45	

Arg	Gln	Pro	Ser	Xaa	Pro	Ser	Leu	Arg	Pro	Ala	Leu	Pro	Ser	Cys	Pro
									50		55			60	

Pro	Arg	Gln	Arg	Leu	Val	Phe	Leu	Lys	Thr	His	Lys	Ser	Gly	Ser	Ser
									65		70			75	80

Ser	Val	Leu	Ser	Leu	Leu	His	Arg	Tyr	Gly	Asp	Gln	His	Gly	Leu	Arg
									85		90			95	

Phe	Ala	Leu	Pro	Ala	Arg	Tyr	Gln	Phe	Gly	Tyr	Pro	Lys	Leu	Phe	Gln
									100		105			110	

Ala	Ser	Arg	Val	Lys	Gly	Tyr	Arg	Pro	Gln	Gly	Gly	Thr	Gln	Leu	
									115		120			125	

Pro	Phe	His	Ile	Leu	Cys	His	His	Met	Arg	Phe	Asn	Leu	Lys	Glu	Val
									130		135			140	

Leu	Gln	Val	Met	Pro	Ser	Asp	Ser	Phe	Phe	Phe	Ser	Ile	Val	Arg	Asp
									145		150			155	160

Pro	Ala	Ala	Leu	Ala	Arg	Ser	Ala	Phe	Ser	Tyr	Tyr	Lys	Ser	Thr	Ser
									165		170			175	

Ser	Ala	Phe	Arg	Lys	Ser	Pro	Ser	Leu	Ala	Ala	Phe	Leu	Ala	Asn	Pro
									180		185			190	

Arg

<210> 1874

<211> 461

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (168)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (171)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (442)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1874
Met Thr Ile Gly Phe Ala Leu Gln Leu Leu Gly Gly Pro Phe Gln Arg
1 5 10 15

Arg Leu Pro Gly Leu Gln Leu Arg Gln Pro Ser Xaa Pro Ser Leu Arg
20 25 30

Pro Ala Leu Pro Ser Cys Pro Pro Arg Gln Arg Leu Val Phe Leu Lys
35 40 45

Thr His Lys Ser Gly Ser Ser Ser Val Leu Ser Leu Leu His Arg Tyr
50 55 60

Gly Asp Gln His Gly Leu Arg Phe Ala Leu Pro Ala Arg Tyr Gln Phe
65 70 75 80

Gly Tyr Pro Lys Leu Phe Gln Ala Ser Arg Val Lys Gly Tyr Arg Pro
85 90 95

Gln Gly Gly Thr Gln Leu Pro Phe His Ile Leu Cys His His Met
100 105 110

Arg Phe Asn Leu Lys Glu Val Leu Gln Val Met Pro Ser Asp Ser Phe
115 120 125

Phe Phe Ser Ile Val Arg Asp Pro Ala Ala Leu Ala Arg Ser Ala Phe
130 135 140

Ser Tyr Tyr Lys Ser Thr Ser Ser Ala Phe Arg Lys Ser Pro Ser Leu
145 150 155 160

Ala Ala Phe Leu Ala Asn Pro Xaa Xaa Phe Xaa Arg Pro Gly Ala Arg
165 170 175

Gly Xaa His Tyr Ala Arg Asn Leu Leu Trp Phe Asp Phe Gly Leu Pro
 180 185 190

Phe Pro Pro Glu Lys Arg Ala Lys Arg Gly Asn Ile His Pro Pro Arg
 195 200 205

Asp Pro Asn Pro Pro Gln Leu Gln Val Leu Pro Ser Gly Ala Gly Pro
 210 215 220

Arg Ala Gln Thr Leu Asn Pro Asn Ala Leu Ile His Pro Val Ser Thr
 225 230 235 240

Val Thr Asp His Arg Ser Gln Ile Ser Ser Pro Ala Ser Phe Asp Leu
 245 250 255

Gly Ser Ser Ser Phe Ile Gln Trp Gly Leu Ala Trp Leu Asp Ser Val
 260 265 270

Phe Asp Leu Val Met Val Ala Glu Tyr Phe Asp Glu Ser Leu Val Leu
 275 280 285

Leu Ala Asp Ala Leu Cys Trp Gly Leu Asp Asp Val Val Gly Phe Met
 290 295 300

His Asn Ala Gln Ala Gly His Lys Gln Gly Leu Ser Thr Val Ser Asn
 305 310 315 320

Ser Gly Leu Thr Ala Glu Asp Arg Gln Leu Thr Ala Arg Ala Arg Ala
 325 330 335

Trp Asn Asn Leu Asp Trp Ala Leu Tyr Val His Phe Asn Arg Ser Leu
 340 345 350

Trp Ala Arg Ile Glu Lys Tyr Gly Gln Gly Arg Leu Gln Thr Ala Val
 355 360 365

Ala Glu Leu Arg Ala Arg Arg Glu Ala Leu Ala Lys His Cys Leu Val
 370 375 380

Gly Gly Glu Ala Ser Asp Pro Lys Tyr Ile Thr Asp Arg Arg Phe Arg
 385 390 395 400

Pro Phe Gln Phe Gly Ser Ala Lys Val Leu Gly Tyr Ile Leu Arg Ser
 405 410 415

Gly Leu Ser Pro Gln Asp Gln Glu Glu Cys Glu Arg Leu Ala Thr Pro
 420 425 430

Glu Leu Gln Tyr Lys Asp Lys Leu Asp Xaa Lys Gln Phe Pro Pro Thr
 435 440 445

Val Ser Leu Pro Leu Lys Thr Ser Arg Pro Leu Ser Pro
 450 455 460

<210> 1875
 <211> 191
 <212> PRT
 <213> Homo sapiens

<400> 1875

Met	Gly	Pro	Leu	Ser	Pro	Ala	Arg	Thr	Leu	Arg	Leu	Trp	Gly	Pro	Arg		
1																	
														10	15		
Ser Leu Gly Val Ala Leu Gly Val Phe Met Thr Ile Gly Phe Ala Leu																	
														20	25	30	
Gln Leu Leu Gly Gly Pro Phe Gln Arg Arg Leu Pro Gly Leu Gln Leu																	
														35	40	45	
Arg Gln Pro Ser Ala Pro Ser Leu Arg Pro Ala Leu Pro Ser Cys Pro																	
														50	55	60	
Pro Arg Gln Arg Leu Val Phe Leu Lys Thr His Lys Ser Gly Ser Ser																	
														65	70	75	80
Ser Val Leu Ser Leu Leu His Arg Tyr Gly Asp Gln His Gly Leu Arg																	
														85	90	95	
Phe Ala Leu Pro Ala Arg Tyr Gln Phe Gly Tyr Pro Lys Leu Phe Gln																	
														100	105	110	
Ala Ser Arg Val Lys Gly Tyr Arg Pro Gln Gly Gly Thr Gln Leu																	
														115	120	125	
Pro Phe His Ile Leu Cys His His Met Arg Phe Asn Leu Lys Glu Val																	
														130	135	140	
Leu Gln Val Met Pro Ser Asp Ser Phe Phe Phe Ser Ile Val Arg Asp																	
														145	150	155	160
Pro Ala Gly Leu Ala Arg Ser Ala Phe Ser Tyr Tyr Lys Ser Thr Ser																	
														165	170	175	
Ser Thr Phe Arg Lys Ser Pro Ser Leu Ala Ala Phe Leu Ala Asn																	
														180	185	190	

<210> 1876

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1876

Met	Ala	Pro	Ala	Ile	Val	Thr	Leu	Gly	Leu	Leu	Leu	Pro	Leu	Ala	Pro	
1																
														5	10	15
Ala Asp Leu Cys Leu Pro Ala Leu Gly Ser Ser Arg Leu Pro Arg Gly																
														20	25	30
Pro Pro Gln Leu Pro Ser Ile Pro Val Ser Gln Pro Leu Pro Arg Gly																
														35	40	45

Phe Leu Arg Glu His Pro Gln Pro His Lys Leu Gln Pro Ile Pro Pro
 50 55 60
 Xaa Ser Gln Lys Ala Leu Phe Leu Glu Pro Arg Arg Arg Leu Trp Pro
 65 70 75 80
 Pro Ser Pro

<210> 1877
 <211> 96
 <212> PRT
 <213> Homo sapiens

<400> 1877
 Met Ser Ile Pro Met Val Ser Val Leu Leu Cys Gln Ala Pro Leu Leu
 1 5 10 15
 Ile Gln Val Ala Leu Pro Arg Thr Val Ala Ile Arg Lys Lys Arg Leu
 20 25 30
 Cys Leu Val Asp Ser Ile Leu Gln Thr Trp His Leu Phe Asn Phe Phe
 35 40 45
 Leu Val Gly Phe Ile Phe Gln Ser Ile Phe Arg Phe Thr Ala Lys Leu
 50 55 60
 Ser Glu Ser Thr Glu Ile Ser His Leu Phe Phe Ala Pro Thr Gln Ala
 65 70 75 80
 Lys Pro His Leu Leu Pro Ile Ser Pro Thr Arg Glu Val His Leu Leu
 85 90 95

<210> 1878
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 1878
 Met Ser Phe Arg Ser Glu Leu Ala Met Trp Phe Gln Ala Ala Leu Val
 1 5 10 15
 Ser Ser Leu Val Leu Pro Thr Pro Pro Gly Ser Gly Gly Thr Ser Arg
 20 25 30
 Arg Lys Lys Trp Ile Lys Ser Trp Arg Asp Phe Lys Gln Tyr Leu Thr
 35 40 45
 His Ser Ser Arg His Asp Ser His Gln Leu Arg Ser Ser Asn Ala Phe
 50 55 60
 Leu Phe Asp Ala Gln Glu Gly Pro Ser Ala Val Asp Ile Ala Lys Asp
 65 70 75 80

Glu Ile Gln Arg Gln Arg
85

<210> 1879

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1879

Met	Leu	Gln	Thr	Thr	Leu	Pro	Ser	Ser	Gln	Thr	Val	Ser	Leu	Cys	Leu
1															15

Trp	Val	Gly	Ala	Ser	Gln	Pro	Pro	Pro	Ser	Phe	Leu	Cys	Cys	Gln	Leu
															30
20															

Gln	Val	Phe	Leu	Cys	Leu	Leu	His	Thr	Thr	Arg	Arg	Cys	Pro	Ser	Ala
35															

Leu	Pro	Ala	Leu	Val	Arg	Val	Val	Pro	Val	Ser	His	Cys	Gln	Thr	Ser
50															

Trp	Leu	Xaa	Cys	Gly	Asp	Leu	Phe	Leu	Cys	Leu	Arg	Ser	Phe	Leu	Arg
65															80

Ser	Val	His	Ser	Ser	Gly	Val	Ser	Pro	Cys	Leu	Glu	Gln	Ile	Ala	Ser
85															95

Pro	Phe	Ser	Thr	Cys	Leu	Leu	Lys	Leu	Trp	Ser	Thr	Cys	Asp	Cys	Lys
100															110

Phe	Ser	Ala	Ala	Thr	Pro	Glu	Pro	Ser	Ser	Ser	His	Ser	Phe	Thr	Phe
115															125

Met	Asp
	130

<210> 1880

<211> 96

<212> PRT

<213> Homo sapiens

<400> 1880

Met	Leu	Met	Val	Arg	Leu	Phe	Asn	Ser	Phe	Pro	His	Ala	Leu	Ile
1														15

Leu	Phe	Leu	Trp	Gly	Glu	Gln	Ser	Pro	Leu	Thr	Lys	Pro	Cys	Pro	Thr
20															30

His	Trp	Ala	Pro	Val	Trp	Met	Val	Pro	Gly	Pro	Gln	Val	Leu	Trp	Gly
35															45

Thr His Trp Gly Leu Pro Gly Asn His Phe Cys Arg Ile Arg Ser His
 50 55 60

Thr Arg Arg Ala Gln Cys Pro Arg Glu Gly Pro Phe Pro Thr Thr Leu
 65 70 75 80

Pro His Trp Gly Trp Val Thr Gly Thr Tyr Arg Gly Trp Cys Cys Leu
 85 90 95

<210> 1881

<211> 122

<212> PRT

<213> Homo sapiens

<400> 1881

Met Leu Met Val Arg Leu Phe Asn Ser Phe Pro His Ala Leu Leu Ile
 1 5 10 15

Leu Phe Leu Trp Gly Glu Gln Ser Pro Leu Thr Lys Pro Cys Pro Thr
 20 25 30

His Trp Ala Pro Val Trp Met Val Pro Gly Pro Gln Val Leu Trp Gly
 35 40 45

Thr His Trp Gly Leu Pro Gly Asn His Phe Cys Arg Ile Arg Ser His
 50 55 60

Thr Arg Arg Ala Gln Cys Pro Arg Glu Gly Pro Phe Pro Thr Thr Leu
 65 70 75 80

Pro His Trp Gly Trp Val Thr Gly Thr Tyr Arg Gly Trp Cys Cys Leu
 85 90 95

Ala Ser Pro Ala Cys Gly Gly Ser Trp Val Leu Leu Pro Phe Gly Phe
 100 105 110

Val Phe Tyr Leu Ser Gly Trp Ala Ser Phe
 115 120

<210> 1882

<211> 122

<212> PRT

<213> Homo sapiens

<400> 1882

Met Leu Met Val Arg Leu Phe Asn Ser Phe Pro His Ala Leu Leu Ile
 1 5 10 15

Leu Phe Leu Trp Gly Glu Gln Ser Pro Leu Thr Lys Pro Cys Pro Thr
 20 25 30

His Trp Ala Pro Val Trp Met Val Pro Gly Pro Gln Val Leu Trp Gly
 1216

35

40

45

Thr His Trp Gly Leu Pro Gly Asn His Phe Cys Arg Ile Arg Ser His
 50 55 60

Thr Arg Arg Ala Gln Cys Pro Arg Glu Gly Pro Phe Pro Thr Thr Leu
 65 70 75 80

Pro His Trp Gly Trp Val Thr Gly Thr Tyr Arg Gly Trp Cys Cys Leu
 85 90 95

Ala Ser Pro Ala Cys Gly Gly Ser Trp Val Leu Leu Pro Phe Gly Phe
 100 105 110

Val Phe Tyr Leu Ser Gly Trp Ala Ser Phe
 115 120

<210> 1883

<211> 65

<212> PRT

<213> Homo sapiens

<400> 1883

Met Pro Arg Ser Ser Trp Arg Pro Ala Pro Ser Arg Pro Trp Met Pro
 1 5 10 15

Trp Ser Cys Ala Ser Ser Trp Ser Thr Ser Gly Leu Trp Thr Leu Leu
 20 25 30

Cys Thr Arg Ala Ala Cys Thr Ser Ser Gln Arg Pro Thr Thr Thr Cys
 35 40 45

Trp Asp Gln Pro Arg Arg Leu Thr Leu Leu Cys Ser Gly Ala Cys Ser
 50 55 60

Arg

65

<210> 1884

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1884

Ser Gln Leu Leu Gly Arg Leu Arg Gln Glu Asn Arg Leu Xaa Pro Gly
 1 5 10 15

Gly Gly Gly Trp Ser Glu Arg Arg Ser Cys His Xaa Thr Pro Ala Trp
20 25 30

Val Thr Glu Arg Gln Thr Val Ser Lys Lys Lys Lys Lys Asn
35 40 45

Val Arg Lys Glu Val Glu Ser Tyr Phe His Leu Tyr Phe Ser His Cys
50 55 60

Leu Ala
65

<210> 1885

<211> 242

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (197)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (198)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (228)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (233)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (236)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1885

Met His Arg Leu Ala Pro His Cys Ser Phe Ala Arg Trp Leu Leu Cys		
1	5	10
		15

Asn Gly Ser Leu Phe Arg Tyr Lys His Pro Ser Glu Glu Glu Leu Arg		
20	25	30

Ala Leu Ala Gly Lys Pro Arg Pro Arg Gly Arg Lys Glu Arg Trp Ala		
35	40	45

Asn Gly Leu Ser Glu Glu Lys Pro Leu Ser Val Pro Arg Asp Ala Pro		
50	55	60

Phe Gln Leu Glu Thr Cys Pro Leu Thr Thr Val Asp Ala Leu Val Leu		
65	70	75
		80

Arg Phe Phe Leu Glu Tyr Gln Trp Phe Val Asp Phe Ala Val Tyr Ser		
85	90	95

Gly Gly Val Tyr Leu Phe Thr Glu Ala Tyr Tyr Tyr Met Leu Gly Pro		
100	105	110

Ala Lys Glu Thr Asn Ile Ala Val Phe Trp Cys Leu Leu Thr Val Thr		
115	120	125

Phe Ser Ile Lys Met Phe Leu Thr Val Thr Arg Leu Tyr Phe Ser Ala		
130	135	140

Glu Glu Gly Gly Glu Arg Ser Val Cys Leu Thr Phe Ala Phe Leu Phe		
145	150	155
		160

Leu Leu Leu Ala Met Leu Val Gln Val Val Arg Xaa Glu Thr Leu Glu		
165	170	175

Leu Gly Leu Asp Leu Ala Gly Ser Met Thr Gln Asn Leu Glu Pro Leu		
180	185	190

Leu Lys Lys Gln Xaa Xaa Asp Trp Ala Leu Pro Val Xaa Lys Leu Leu		
195	200	205

Ser Arg Asp Cys Met Xaa Leu Gly Trp Cys Phe Tyr Phe Ser Trp Val		
210	215	220

Ala Thr Arg Xaa Cys Ile Glu Lys Xaa Tyr Leu Xaa Lys Ser Val Cys		
225	230	235
		240

Thr Gly

<210> 1886

<211> 479

<212> PRT

<213> Homo sapiens

<400> 1886

Met Ala Val Leu Gly Val Gln Leu Val Val Thr Leu Leu Thr Ala Thr		
1	5	10
		15

Leu Met His Arg Leu Ala Pro His Cys Ser Phe Ala Arg Trp Leu Leu
 20 25 30

Cys Asn Gly Ser Leu Phe Arg Tyr Lys His Pro Ser Glu Glu Glu Leu
 35 40 45

Arg Ala Leu Ala Gly Lys Pro Arg Pro Arg Gly Arg Lys Glu Arg Trp
 50 55 60

Ala Asn Gly Leu Ser Glu Glu Lys Pro Leu Ser Val Pro Arg Asp Ala
 65 70 75 80

Pro Phe Gln Leu Glu Thr Cys Pro Leu Thr Thr Val Asp Ala Leu Val
 85 90 95

Leu Arg Phe Phe Leu Glu Tyr Gln Trp Phe Val Asp Phe Ala Val Tyr
 100 105 110

Ser Gly Gly Val Tyr Leu Phe Thr Glu Ala Tyr Tyr Tyr Met Leu Gly
 115 120 125

Pro Ala Lys Glu Thr Asn Ile Ala Val Phe Trp Cys Leu Leu Thr Val
 130 135 140

Thr Phe Ser Ile Lys Met Phe Leu Thr Val Thr Arg Leu Tyr Phe Ser
 145 150 155 160

Ala Glu Glu Gly Gly Glu Arg Ser Val Cys Leu Thr Phe Ala Phe Leu
 165 170 175

Phe Leu Leu Ala Met Leu Val Gln Val Val Arg Glu Glu Thr Leu
 180 185 190

Glu Leu Gly Leu Glu Pro Gly Leu Ala Ser Met Thr Gln Asn Leu Glu
 195 200 205

Pro Leu Leu Lys Lys Gln Gly Trp Asp Trp Ala Leu Pro Val Ala Lys
 210 215 220

Leu Ala Ile Arg Val Gly Leu Ala Val Val Gly Ser Val Leu Gly Ala
 225 230 235 240

Phe Leu Thr Phe Pro Gly Leu Arg Leu Ala Gln Thr His Arg Asp Ala
 245 250 255

Leu Thr Met Ser Glu Asp Arg Pro Met Leu Gln Phe Leu Leu His Thr
 260 265 270

Ser Phe Leu Ser Pro Leu Phe Ile Leu Trp Leu Trp Thr Lys Pro Ile
 275 280 285

Ala Arg Asp Phe Leu His Gln Pro Pro Phe Gly Glu Thr Arg Phe Ser
 290 295 300

Leu Leu Ser Asp Ser Ala Phe Asp Ser Gly Arg Leu Trp Leu Leu Val
 305 310 315 320

Val Leu Cys Leu Leu Arg Leu Ala Val Thr Arg Pro His Leu Gln Ala
 325 330 335

Tyr Leu Cys Leu Ala Lys Ala Arg Val Glu Gln Leu Arg Arg Glu Ala
 340 345 350
 Gly Arg Ile Glu Ala Arg Glu Ile Gln Gln Arg Val Val Arg Val Tyr
 355 360 365
 Cys Tyr Val Thr Val Val Ser Leu Gln Tyr Leu Thr Pro Leu Ile Leu
 370 375 380
 Thr Leu Asn Cys Thr Leu Leu Leu Lys Thr Leu Gly Gly Tyr Ser Trp
 385 390 395 400
 Gly Leu Gly Pro Ala Pro Leu Leu Ser Pro Asp Pro Ser Ser Ala Ser
 405 410 415
 Ala Ala Pro Ile Gly Ser Gly Glu Asp Glu Val Gln Gln Thr Ala Ala
 420 425 430
 Arg Ile Ala Gly Ala Leu Gly Gly Leu Leu Thr Pro Leu Phe Leu Arg
 435 440 445
 Gly Val Leu Ala Tyr Leu Ile Trp Trp Thr Ala Ala Cys Gln Leu Leu
 450 455 460
 Ala Ser Leu Phe Gly Leu Tyr Phe His Gln His Leu Ala Gly Ser
 465 470 475

<210> 1887

<211> 122

<212> PRT

<213> Homo sapiens

<400> 1887

Met Arg His His Thr Trp Leu Ile Phe Leu Ile Leu Ile Phe Val Glu
 1 5 10 15

Met Gly Gly Gln Val Ser Leu Cys Cys Pro Gly Cys Ser Arg Thr Pro
 20 25 30

Gly His Lys Pro Ser Ser His Leu Ser Leu Pro Met Arg Arg Asn Tyr
 35 40 45

Arg Trp Leu Arg Cys Glu Pro Pro Cys Leu Ala Phe Leu His Tyr Leu
 50 55 60

Glu Ile Arg Trp Glu Glu Ala Phe Phe Trp Val Gly Leu Arg Arg His
 65 70 75 80

Thr Glu Val Pro Gln Val Ile Gly Ala Gly Pro Leu Pro Phe Ser Pro
 85 90 95

Pro Trp Val Val Val Asp Arg Ser Leu Gly Trp Asp Gly Glu Glu Arg
 100 105 110

Ser Cys Cys Val Ser Cys Leu Leu Phe Lys
 115 120

<210> 1888

<211> 122

<212> PRT

<213> Homo sapiens

<400> 1888

Met	Arg	His	His	Thr	Trp	Leu	Ile	Phe	Leu	Ile	Leu	Ile	Phe	Val	Glu
1					5				10				15		

Met	Gly	Gly	Gln	Val	Ser	Leu	Cys	Cys	Pro	Gly	Cys	Ser	Arg	Thr	Pro
			20				25					30			

Gly	His	Lys	Pro	Ser	Ser	His	Leu	Ser	Leu	Pro	Met	Arg	Arg	Asn	Tyr
						35		40			45				

Arg	Trp	Leu	Arg	Cys	Glu	Pro	Pro	Cys	Leu	Ala	Phe	Leu	His	Tyr	Leu
					50			55			60				

Glu	Ile	Arg	Trp	Glu	Glu	Ala	Phe	Phe	Trp	Val	Gly	Leu	Arg	Arg	His
	65				70				75			80			

Thr	Glu	Val	Pro	Gln	Val	Ile	Gly	Ala	Gly	Pro	Leu	Pro	Phe	Ser	Pro
					85				90			95			

Pro	Trp	Val	Val	Val	Asp	Arg	Ser	Leu	Gly	Trp	Asp	Gly	Glu	Glu	Arg
					100			105			110				

Ser	Cys	Cys	Val	Ser	Cys	Leu	Leu	Phe	Lys						
					115			120							

<210> 1889

<211> 92

<212> PRT

<213> Homo sapiens

<400> 1889

Met	Glu	Leu	Val	Phe	Leu	Ile	Ile	Ser	Leu	Val	Cys	Gln	His	Cys	Ser
1					5				10			15			

Pro	Asp	Ser	Ala	Gly	Asp	Leu	Cys	Val	Gln	Thr	Pro	Ser	Val	Trp	Pro
					20			25			30				

Arg	Thr	Leu	Met	Glu	Ile	Met	Leu	Ser	Ser	Leu	Gly	Glu	Phe	Ala	Leu
					35			40			45				

Ser	Asn	Asn	Gln	Arg	Phe	Val	Cys	Phe	Asn	Asn	Ile	His	Ser	Ser	Trp
					50			55			60				

Ala	Trp	Trp	Leu	Thr	Ser	Val	Ile	Pro	Ala	Leu	Trp	Glu	Ala	Asp	Thr
					65			70			75			80	

Gly	Gly	Leu	Leu	Glu	Ala	Arg	Ser	Leu	Arg	Pro	Ala				
					85			90							

<210> 1890

<211> 92

<212> PRT

<213> Homo sapiens

<400> 1890

Met	Glu	Leu	Val	Phe	Leu	Ile	Ile	Ser	Leu	Val	Cys	Gln	His	Cys	Ser
1					5				10				15		

Pro	Asp	Ser	Ala	Gly	Asp	Leu	Cys	Val	Gln	Thr	Pro	Ser	Val	Trp	Pro
						20			25				30		

Arg	Thr	Leu	Met	Glu	Ile	Met	Leu	Ser	Ser	Leu	Gly	Glu	Phe	Ala	Leu
						35		40			45				

Ser	Asn	Asn	Gln	Arg	Phe	Val	Cys	Phe	Asn	Asn	Ile	His	Ser	Ser	Trp
						50		55			60				

Ala	Trp	Trp	Leu	Thr	Ser	Val	Ile	Pro	Ala	Leu	Trp	Glu	Ala	Asp	Thr
						65		70			75		80		

Gly	Gly	Leu	Leu	Glu	Ala	Arg	Ser	Leu	Arg	Pro	Ala				
						85		90							

<210> 1891

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1891

Met	Phe	Ala	Phe	Ser	Pro	Leu	Ser	Arg	Leu	Ala	Met	Leu	Gly	Val	Cys
1						5				10			15		

Cys	Gly	Cys	Cys	Leu	Gly	Leu	Phe	Leu	Glu	Ser	Asp	Thr	Gly	Ile	Asn
						20		25			30				

Phe	Leu	Asn	Phe	Asn	Tyr	Leu	Ala	Ser	Tyr	Ser	Trp	Ser	Ser	Arg	Ser
						35		40			45				

Ser	Asn	Phe	Asn	Asn	Leu	Gly	Ile	Phe	Ser	Phe	Phe	Phe	Glu	Thr	
						50		55			60				

Glu	Ser	Arg	Ser	Val	Ala	Gln	Ala	Gly	Val	Gln	Trp	His	Tyr	Leu	Ser
						65		70			75		80		

Ser	Leu	Gln	Ala	Leu	Pro	Pro	Gly	Phe	Thr	Pro	Phe	Ser	Cys	Leu	Xaa
						85		90			95				

Pro Thr Glu

<210> 1892

<211> 100

<212> PRT

<213> Homo sapiens

<400> 1892

Met Phe Ala Phe Ser Pro Leu Ser Arg Leu Ala Met Leu Gly Val Cys
1 5 10 15

Cys Gly Cys Cys Leu Gly Leu Phe Leu Glu Ser Asp Thr Gly Ile Asn
20 25 30

Phe Leu Asn Phe Asn Tyr Leu Ala Ser Tyr Ser Trp Ser Ser Arg Ser
35 40 45

Ser Asn Phe Asn Asn Leu Gly Ile Phe Ser Phe Phe Phe Glu Thr
50 55 60

Glu Ser Arg Ser Val Ala Gln Ala Gly Val Gln Trp His Tyr Leu Ser
65 70 75 80

Ser Leu Gln Ala Leu Pro Pro Gly Phe Thr Pro Phe Ser Cys Leu Ser
85 90 95

Leu Pro Ser Ser
100

<210> 1893

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1893

Met Leu Gln Gly His Ser Ser Val Phe Gln Ala Leu Leu Gly Thr Phe
1 5 10 15

Phe Thr Trp Gly Met Thr Ala Ala Gly Ala Ala Leu Val Phe Val Phe
20 25 30

Ser Ser Gly Gln Arg Arg Ile Leu Asp Gly Ser Leu Gly Phe Ala Ala
35 40 45

Gly Val Met Leu Ala Ala Ser Tyr Trp Ser Leu Leu Ala Pro Ala Val
50 55 60

Glu Met Ala Thr Ser Ser Gly Gly Phe Gly Ala Phe Ala Phe Phe Pro
65 70 75 80

Val Ala Val Gly Phe Thr Leu Gly Ala Ala Phe Val Tyr Leu Ala Asp
85 90 95

Leu Leu Met Pro His Leu Gly Ala Ala Glu Asp Pro Gln Thr Ala Leu
100 105 110

Ala Leu Asn Phe Gly Ser Thr Leu Met Lys Lys Lys Ser Asp Pro Glu
 115 120 125

Gly His Ala Leu Leu Phe Pro Glu Arg Ile His Xaa Ile Asp Lys Ser
 130 135 140

Glu Asn Gly Glu Ala Tyr Gln Arg Lys Lys Ala Ala Ala Thr Gly Leu
 145 150 155 160

Pro Glu Gly Pro Ala Val Pro
 165

<210> 1894

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1894

Met Leu Gln Gly His Ser Ser Val Phe Gln Ala Leu Leu Gly Thr Phe
 1 5 10 15

Phe Thr Trp Gly Met Thr Ala Ala Gly Ala Ala Leu Val Phe Val Phe
 20 25 30

Ser Ser Gly Gln Arg Arg Ile Leu Asp Gly Ser Leu Gly Phe Ala Ala
 35 40 45

Gly Val Met Leu Ala Ala Ser Tyr Trp Ser Leu Leu Ala Pro Ala Val
 50 55 60

Glu Met Ala Thr Ser Ser Gly Gly Phe Gly Ala Phe Ala Phe Phe Pro
 65 70 75 80

Val Ala Val Gly Phe Thr Leu Gly Ala Ala Phe Val Tyr Leu Ala Asp
 85 90 95

Leu Leu Met Pro His Leu Gly Ala Ala Glu Asp Pro Gln Thr Ala Leu
 100 105 110

Ala Leu Asn Phe Gly Ser Thr Leu Met Lys Lys Ser Asp Pro Glu
 115 120 125

Gly His Ala Leu Leu Phe Pro Glu Arg Ile His Xaa Ile Asp Lys Ser
 130 135 140

Glu Asn Gly Glu Ala Tyr Gln Arg Lys Lys Ala Ala Ala Thr Gly Leu
 145 150 155 160

Pro Glu Gly Pro Ala Val Pro
 165

<210> 1895

<211> 93

<212> PRT

<213> Homo sapiens

<400> 1895

Met	Lys	Glu	Gln	Ser	Leu	Pro	Ser	Phe	Leu	Trp	Lys	Met	Leu	Leu	Trp
1															

									10						
--	--	--	--	--	--	--	--	--	----	--	--	--	--	--	--

										15					
--	--	--	--	--	--	--	--	--	--	----	--	--	--	--	--

Tyr	Cys	Leu	Val	Cys	Cys	Asp	Thr	Leu	Glu	Ser	Phe	Val	Ser	Val	Phe

			20					25						30	
--	--	--	----	--	--	--	--	----	--	--	--	--	--	----	--

Ser	Leu	Tyr	Pro	Gly	Thr	Ala	Leu	Gly	Ile	Trp	Glu	Ala	Leu	Thr	Val

			35				40							45	
--	--	--	----	--	--	--	----	--	--	--	--	--	--	----	--

Tyr	Gly	Arg	Cys	Ala	Gln	Phe	Phe	Cys	Phe	Gln	Gly	Ala	Lys	Glu	Val

			50				55				60				
--	--	--	----	--	--	--	----	--	--	--	----	--	--	--	--

Ala	Val	His	Met	Glu	Thr	Phe	Leu	Phe	Leu	Glu	Cys	Glu	Gly	Trp	Gly

			65				70				75			80	
--	--	--	----	--	--	--	----	--	--	--	----	--	--	----	--

Pro	Lys	Gln	Val	Pro	Asn	Ala	Ala	Ala	Phe	Leu	Leu	Val			

			85				90								
--	--	--	----	--	--	--	----	--	--	--	--	--	--	--	--

<210> 1896

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1896

Ala	Arg	Ala	Leu	Gly	Leu	Phe	Val	Ser	Met	Phe	Ser	Leu	Thr	Asn	Pro
1									10						15

Ser	Pro	Val	Leu	Ser	Ala	Leu	Leu	Gly	Tyr	Thr	Gln	Leu	Asn	Asn	Leu

			20				25						30		
--	--	--	----	--	--	--	----	--	--	--	--	--	----	--	--

Val	His	Phe	Leu	Val	Trp	Glu	Pro	Leu							

			35				40								
--	--	--	----	--	--	--	----	--	--	--	--	--	--	--	--

<210> 1897

<211> 93

<212> PRT

<213> Homo sapiens

<400> 1897

Met	Lys	Glu	Gln	Ser	Leu	Pro	Ser	Phe	Leu	Trp	Lys	Met	Leu	Leu	Trp
1									10						15

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Tyr	Cys	Leu	Val	Cys	Cys	Asp	Thr	Leu	Glu	Ser	Phe	Val	Ser	Val	Phe

			20				25						30		
--	--	--	----	--	--	--	----	--	--	--	--	--	----	--	--

Ser	Leu	Tyr	Pro	Gly	Thr	Ala	Leu	Gly	Ile	Trp	Glu	Ala	Leu	Thr	Val

			35				40							45	
--	--	--	----	--	--	--	----	--	--	--	--	--	--	----	--

Tyr	Gly	Arg	Cys	Ala	Gln	Phe	Phe	Cys	Phe	Gln	Gly	Ala	Lys	Glu	Val

			50				55				60				
--	--	--	----	--	--	--	----	--	--	--	----	--	--	--	--

Ala Val His Met Glu Thr Phe Leu Phe Leu Glu Cys Glu Gly Trp Gly
 65 70 75 80

Pro Lys Gln Val Pro Asn Ala Ala Ala Phe Leu Leu Val
 85 90

<210> 1898

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1898

Met Thr Ser Ile Trp His Arg Pro Val Cys Pro Leu Ser Trp Leu Val
 1 5 10 15

Pro Ser Ala Ala Phe Ser Asn Trp Gly Pro Gly Cys Arg Ala Val Cys
 20 25 30

Ser Pro Arg Trp Ala Thr Pro Ala Lys Ile Pro Thr Pro Lys Cys Asp
 35 40 45

Arg Val Ala His Glu Glu Gly Ser Ala Leu Arg Val Pro Ser Arg Val
 50 55 60

His Ser Ser Ser Gln Leu Leu Arg Val Ala Pro Ala Ser Pro Thr Ser
 65 70 75 80

Ser Leu Ser Pro Val Met Ser Arg Xaa Pro Pro Pro Ser Arg Val Ser
 85 90 95

Val Trp Leu Phe Val Cys Leu Pro Thr Arg Leu Pro Val Pro Xaa Ala
 100 105 110

Leu Pro Leu Xaa Pro
 115

<210> 1899

<211> 38

<212> PRT

<213> Homo sapiens

<400> 1899

Ile	Ser	His	Val	Leu	Ile	Asp	Ala	Tyr	Ile	Ser	Leu	Lys	Arg	Ile	Lys
1				5.					10				15		

Ser	Ser	Cys	Asn	Pro	Thr	Thr	Leu	Gly	Met	Cys	Ser	Glu	Asp	Leu	Leu
				20				25				30			

Arg	Leu	Cys	His	Trp	Ser										
				35											

<210> 1900

<211> 88

<212> PRT

<213> Homo sapiens

<400> 1900

Met	Thr	Ser	Ile	Trp	His	Arg	Pro	Val	Cys	Pro	Leu	Ser	Trp	Leu	Val
1				5				10				15			

Pro	Ser	Ala	Ala	Phe	Ser	Asn	Trp	Gly	Pro	Gly	Cys	Arg	Ala	Val	Cys
				20				25				30			

Ser	Pro	Arg	Trp	Ala	Thr	Pro	Ala	Lys	Ile	Pro	Thr	Pro	Lys	Cys	Asp
				35				40				45			

Arg	Val	Ala	His	Glu	Glu	Gly	Ser	Ala	Leu	Arg	Val	Pro	Ser	Arg	Val
				50			55			60					

His	Ser	Ser	Ser	Gln	Leu	Leu	Arg	Val	Ala	Pro	Ala	Ser	Pro	Thr	Ser
65					70				75			80			

Ser	Leu	Ser	Pro	Val	Met	Ser	Arg								
				85											

<210> 1901

<211> 88

<212> PRT

<213> Homo sapiens

<400> 1901

Met	Thr	Ser	Ile	Trp	His	Arg	Pro	Val	Cys	Pro	Leu	Ser	Trp	Leu	Val
1				5				10				15			

Pro	Ser	Ala	Ala	Phe	Ser	Asn	Trp	Gly	Pro	Gly	Cys	Arg	Ala	Val	Cys
				20				25				30			

Ser	Pro	Arg	Trp	Ala	Thr	Pro	Ala	Lys	Ile	Pro	Thr	Pro	Lys	Cys	Asp
				35				40				45			

Arg	Val	Ala	His	Glu	Glu	Gly	Ser	Ala	Leu	Arg	Val	Pro	Ser	Arg	Val
				50			55			60					

His	Ser	Ser	Ser	Gln	Leu	Leu	Arg	Val	Ala	Pro	Ala	Ser	Pro	Thr	Ser
65					70				75			80			

Ser Leu Ser Pro Val Met Ser Arg
85

<210> 1902
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1902
Met Asn Ser Ala Phe Ser Thr Cys Leu Leu Leu Leu Gln Asp Leu Gly
1 5 10 15

Val Pro Leu Thr Leu Thr Gly Leu Pro Pro Ala Leu Gly Leu Ala Pro
20 25 30

Pro Val Leu Glu Pro Arg Ala Pro Gly Leu Glu Leu Pro Leu Trp Gly
35 40 45

Gly Ser Gln Ala Pro Pro Leu Pro Xaa Leu Ser Ser Val Pro Cys Ser
50 55 60

Ala Pro Pro Leu Tyr Leu Ser Val Xaa Arg Pro Leu Thr Glu Arg Arg
65 70 75 80

Cys Arg Val Ser Arg Gly Pro Arg Trp Ser Gln Gly Gln Gly Trp Asp
85 90 95

Leu Gln Gly Thr Arg Gly Ala His Gly Leu Arg His Leu Cys Pro Gly
100 105 110

Ser

<210> 1903
<211> 117
<212> PRT
<213> Homo sapiens

<400> 1903
Met Trp Arg Val Ser Ile Ser Val Pro Trp Leu Trp Ser Ala Trp Pro
1 5 10 15

Ile Ser Ser Val Gly Phe Leu Cys Leu Pro Ala Ser Pro His Pro Ser
20 25 30

Leu Pro Pro Ser Ser Thr Leu His Asp Leu Ala Val Thr Ser Gly Pro

35

40

45

Glu Arg Trp Arg Gln Leu Thr Ala Ala Ala Arg Thr Val Ser Arg Val
 50 55 60

Arg Ser Ala Ala Gly Trp Gly Ser Trp Pro Cys Pro Ala Ser Met Asn
 65 70 75 80

Ser Cys Pro Arg Thr Val Cys Leu Trp Asn Leu Arg Ser Ile Tyr Cys
 85 90 95

Val Cys Ser Ser Arg Leu Ser Thr Ser Cys Arg Lys Ser Pro Arg Ile
 100 105 110

Thr Met Pro Thr Gln
 115

<210> 1904

<211> 117

<212> PRT

<213> Homo sapiens

<400> 1904

Met Trp Arg Val Ser Ile Ser Val Pro Trp Leu Trp Ser Ala Trp Pro
 1 5 10 15

Ile Ser Ser Val Gly Phe Leu Cys Leu Pro Ala Ser Pro His Pro Ser
 20 25 30

Leu Pro Pro Ser Ser Thr Leu His Asp Leu Ala Val Thr Ser Gly Pro
 35 40 45

Glu Arg Trp Arg Gln Leu Thr Ala Ala Ala Arg Thr Val Ser Arg Val
 50 55 60

Arg Ser Ala Ala Gly Trp Gly Ser Trp Pro Cys Pro Ala Ser Met Asn
 65 70 75 80

Ser Cys Pro Arg Thr Val Cys Leu Trp Asn Leu Arg Ser Ile Tyr Cys
 85 90 95

Val Cys Ser Ser Arg Leu Ser Thr Ser Cys Arg Lys Ser Pro Arg Ile
 100 105 110

Thr Met Pro Thr Gln
 115

<210> 1905

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1905

Met	Ile	Lys	Ser	Ala	Pro	Val	Gly	Pro	Val	Ala	Gly	Gly	Ile	Met	Gly
1					5					10				15	

Cys	Ile	Met	Val	Leu	Val	Leu	Ala	Val	Tyr	Ala	Tyr	Arg	His	Gln	Ile
					20				25				30		

His	Arg	Arg	Ser	His	Gln	His	Met	Ser	Pro	Leu	Ala	Ala	Gln	Glu	Met
					35			40				45			

Ser	Val	Arg	Met	Ser	Asn	Leu	Glu	Asn	Asp	Arg	Asp	Glu	Arg	Asp	Asp
					50			55			60				

Asp	Ser	His	Glu	Asp	Arg	Gly	Ile	Ile	Ser	Asn	Thr	Arg	Phe	Ile	Ala
					65			70		75			80		

Ala	Val	Ile	Glu	Arg	His	Ala	His	Ser	Pro	Glu	Arg	Arg	Arg	Tyr
					85			90			95			

Trp	Gly	Arg	Ser	Gly	Thr	Glu	Ser	Asp	His	Gly	Tyr	Ser	Thr	Met	Ser
					100			105			110				

Pro	Gln	Glu	Asp	Ser	Xaa	Lys	Ser	Ser	Met	Gln	Gln
					115			120			

<210> 1906

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1906

Met	Ala	Val	Tyr	Leu	Leu	Trp	Gln	Glu	Leu	Gly	Pro	Ala	Val	Leu	Ala
1					5				10			15			

Gly	Val	Ala	Val	Leu	Val	Phe	Val	Ile	Pro	Ile	Asn	Ala	Leu	Ala	Ala
					20			25			30				

Thr Lys Ile Lys Lys Leu Lys Val Ser Leu Ala Thr Leu Cys Val Tyr
 35 40 45

 Phe Leu Leu Asp Glu Gly Asn Ile Leu Thr Ala Thr Lys Val Phe Thr
 50 55 60

 Ser Met Ser Leu Phe Asn Ile Leu Arg Ile Pro Leu Phe Glu Leu Pro
 65 70 75 80

 Thr Val Ile Ser Ala Val Val Gln Thr Lys Ile Ser Leu Gly Arg Leu
 85 90 95

 Glu Asp Phe Leu Asn Thr Glu Glu Leu Leu Pro Gln Ser Ile Glu Thr
 100 105 110

 Asn Tyr Thr Gly Asp His Ala Ile Gly Phe Thr Asp Ala Ser Phe Ser
 115 120 125

 Trp Asp Lys Thr Gly Met Pro Val Leu Lys Glu Ala Leu Trp Leu Met
 130 135 140

 Xaa Leu Xaa Xaa Pro Gly Phe Xaa Ile Ala Phe Cys Lys Lys Thr Phe
 145 150 155 160

 Ser Leu Ala Pro Ser
 165

<210> 1907

<211> 50

<212> PRT

<213> Homo sapiens

<400> 1907

Cys Tyr Arg Cys Ile Phe Ser Ile Val Ser Asn Arg Phe Ile Phe Ser
 1 5 10 15

Asn Pro Trp Ile Ser Ser Cys Ile Phe Thr Ile Ser Lys Gln Ser Asp
 20 25 30

Ser Ile Ala Lys Arg Gln Lys Cys Glu Phe Phe Phe Lys Leu Val Asn
 35 40 45

Thr Cys

50

<210> 1908

<211> 84

<212> PRT

<213> Homo sapiens

<400> 1908

Met Ile Met Ser Ser Val Thr Leu Leu Trp Ser Ile Leu His Gln Ala
 1 5 10 15

Asp Ser Ser Glu Lys Met Thr Ile Ala Ala Ser Ala Ser Leu Thr Thr
 20 25 30

Ile Asn Leu Gly Ala Thr Lys Asn Leu Arg Gln Gln Ile Leu Glu Leu
 35 40 45

Leu Gly Pro Ile Ser Met Asn His Gly Val His Phe Met Ala Ala Ile
 50 55 60

Ala Phe Val Trp Asn Glu Arg Arg Gln Asn Lys Thr Thr Thr Arg Thr
 65 70 75 80

Lys Val Cys Ile

<210> 1909

<211> 84

<212> PRT

<213> Homo sapiens

<400> 1909

Met Ile Met Ser Ser Val Thr Leu Leu Trp Ser Ile Leu His Gln Ala
 1 5 10 15

Asp Ser Ser Glu Lys Met Thr Ile Ala Ala Ser Ala Ser Leu Thr Thr
 20 25 30

Ile Asn Leu Gly Ala Thr Lys Asn Leu Arg Gln Gln Ile Leu Glu Leu
 35 40 45

Leu Gly Pro Ile Ser Met Asn His Gly Val His Phe Met Ala Ala Ile
 50 55 60

Ala Phe Val Trp Asn Glu Arg Arg Gln Asn Lys Thr Thr Thr Arg Thr
 65 70 75 80

Lys Val Cys Ile

<210> 1910

<211> 275

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1910

Met Trp Ser Tyr His Leu Ile Gly Leu Ile Trp Thr Ser Glu Phe Ile
 1 5 10 15

Leu Ala Cys Gln Gln Met Thr Ile Ala Gly Ala Val Val Thr Cys Tyr
 20 25 30

Phe Asn Arg Ser Lys Asn Asp Pro Pro Asp His Pro Ile Leu Ser Ser
 35 40 45

Leu Ser Ile Leu Phe Phe Tyr His Gln Gly Thr Ile Val Lys Gly Ser
 50 55 60

Phe Leu Ile Ser Val Val Xaa Ile Pro Arg Ile Ile Val Met Tyr Met
 65 70 75 80

Gln Asn Ala Leu Lys Glu Gln Gln His Gly Ala Leu Ser Arg Tyr Leu
 85 90 95

Phe Arg Cys Cys Tyr Cys Cys Phe Trp Cys Leu Asp Lys Tyr Leu Leu
 100 105 110

His Leu Asn Gln Asn Ala Tyr Thr Thr Ala Ile Asn Gly Thr Asp
 115 120 125

Phe Cys Thr Ser Ala Lys Asp Ala Phe Lys Ile Leu Ser Lys Asn Ser
 130 135 140

Ser His Phe Thr Ser Ile Asn Cys Xaa Gly Asp Phe Ile Ile Phe Leu
 145 150 155 160

Gly Lys Val Leu Val Val Cys Phe Thr Val Phe Gly Gly Leu Met Ala
 165 170 175

Phe Asn Tyr Asn Arg Ala Phe Gln Val Trp Ala Val Pro Leu Leu Leu
 180 185 190

Val Ala Phe Phe Ala Tyr Leu Val Ala His Ser Phe Leu Ser Val Phe
 195 200 205

Glu Thr Val Leu Asp Ala Leu Phe Leu Cys Phe Ala Val Asp Leu Glu
 210 215 220

Thr Asn Asp Gly Ser Ser Glu Lys Pro Tyr Phe Met Asp Gln Glu Phe
 225 230 235 240

Leu Ser Phe Val Lys Arg Ser Asn Lys Leu Asn Asn Ala Arg Ala Gln
 245 250 255

Gln Asp Lys His Ser Leu Arg Asn Glu Glu Gly Thr Glu Leu Gln Ala
 260 265 270

Ile Val Arg
 275

<210> 1911
 <211> 275
 <212> PRT
 <213> Homo sapiens

<400> 1911
 Met Trp Ser Tyr His Leu Ile Gly Leu Ile Trp Thr Ser Glu Phe Ile

1	5	10	15
Leu Ala Cys Gln Gln Met Thr Ile Ala Gly Ala Val Val Thr Cys Tyr			
20	25	30	
Phe Asn Arg Ser Lys Asn Asp Pro Pro Asp His Pro Ile Leu Ser Ser			
35	40	45	
Leu Ser Ile Leu Phe Phe Tyr His Gln Gly Thr Ile Val Lys Gly Ser			
50	55	60	
Phe Leu Ile Ser Val Val Arg Ile Pro Arg Ile Ile Val Met Tyr Met			
65	70	75	80
Gln Asn Ala Leu Lys Glu Gln Gln His Gly Ala Leu Ser Arg Tyr Leu			
85	90	95	
Phe Arg Cys Cys Tyr Cys Cys Phe Trp Cys Leu Asp Lys Tyr Leu Leu			
100	105	110	
His Leu Asn Gln Asn Ala Tyr Thr Thr Ala Ile Asn Gly Thr Asp			
115	120	125	
Phe Cys Thr Ser Ala Lys Asp Ala Phe Lys Ile Leu Ser Lys Asn Ser			
130	135	140	
Ser His Phe Thr Ser Ile Asn Cys Phe Gly Asp Phe Ile Ile Phe Leu			
145	150	155	160
Gly Lys Val Leu Val Val Cys Phe Thr Val Phe Gly Gly Leu Met Ala			
165	170	175	
Phe Asn Tyr Asn Arg Ala Phe Gln Val Trp Ala Val Pro Leu Leu Leu			
180	185	190	
Val Ala Phe Phe Ala Tyr Leu Val Ala His Ser Phe Leu Ser Val Phe			
195	200	205	
Glu Thr Val Leu Asp Ala Leu Phe Leu Cys Phe Ala Val Asp Leu Glu			
210	215	220	
Thr Asn Asp Gly Ser Ser Glu Lys Pro Tyr Phe Met Asp Gln Glu Phe			
225	230	235	240
Leu Ser Phe Val Lys Arg Ser Asn Lys Leu Asn Asn Ala Arg Ala Gln			
245	250	255	
Gln Asp Lys His Ser Leu Arg Asn Glu Glu Gly Thr Glu Leu Gln Ala			
260	265	270	
Ile Val Arg			
275			

<210> 1912
 <211> 136
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1912

Met Ala Cys Ile Leu Lys Arg Lys Ser Val Ile Ala Val Ser Phe Ile			
1	5	10	15

Ala Ala Phe Leu Phe Leu Leu Val Val Arg Leu Val Asn Glu Val Asn		
20	25	30

Phe Pro Leu Leu Leu Asn Cys Phe Gly Gln Pro Gly Thr Lys Trp Ile		
35	40	45

Pro Phe Ser Tyr Thr Tyr Arg Arg Pro Leu Arg Thr His Tyr Gly Tyr		
50	55	60

Ile Asn Val Lys Thr Gln Glu Pro Leu Gln Leu Asp Cys Asp Leu Cys			
65	70	75	80

Ala Ile Val Ser Asn Ser Gly Gln Met Val Gly Gln Lys Val Gly Asn		
85	90	95

Glu Ile Asp Arg Ser Ser Cys Ile Trp Arg Met Asn Asn Ala Pro Thr		
100	105	110

Lys Gly Tyr Glu Glu Asp Val Gly Arg Met Thr Met Ile Arg Val Val		
115	120	125

Pro Ile Pro Ala Xaa Leu Phe Cys	
130	135

<210> 1913

<211> 64

<212> PRT

<213> Homo sapiens

<400> 1913

Val Phe Thr Ser Ala Lys Tyr Tyr Gly Glu Leu Ser Leu Lys Cys Ala			
1	5	10	15

Ile Leu Asp Lys Gly Leu Leu Pro Thr Leu Phe Cys Asn Phe Asp Thr		
20	25	30

Ser Ile Phe Thr Pro Ile Asn Ile Thr Lys Pro Gln Phe Tyr Arg Trp		
35	40	45

Lys Glu Leu Leu Phe Phe Cys Cys Ser Leu Met Gln Phe Leu Ile Leu		
50	55	60

<210> 1914

<211> 305

<212> PRT

<213> Homo sapiens

<400> 1914

Met Ala Cys Ile Leu Lys Arg Lys Ser Val Ile Ala Val Ser Phe Ile			
1	5	10	15

Ala Ala Phe Leu Phe Leu Leu Val Val Arg Leu Val Asn Glu Val Asn		
20	25	30

Phe Pro Leu Leu Leu Asn Cys Phe Gly Gln Pro Gly Thr Lys Trp Ile		
35	40	45

Pro Phe Ser Tyr Thr Tyr Arg Arg Pro Leu Arg Thr His Tyr Gly Tyr		
50	55	60

Ile Asn Val Lys Thr Gln Glu Pro Leu Gln Leu Asp Cys Asp Leu Cys			
65	70	75	80

Ala Ile Val Ser Asn Ser Gly Gln Met Val Gly Gln Lys Val Gly Asn		
85	90	95

Glu Ile Asp Arg Ser Ser Cys Ile Trp Arg Met Asn Asn Ala Pro Thr		
100	105	110

Lys Gly Tyr Glu Glu Asp Val Gly Arg Met Thr Met Ile Arg Val Val		
115	120	125

Ser His Thr Ser Val Pro Leu Leu Leu Lys Asn Pro Asp Tyr Phe Phe		
130	135	140

Lys Glu Ala Asn Thr Thr Ile Tyr Val Ile Trp Gly Pro Phe Arg Asn			
145	150	155	160

Met Arg Lys Asp Gly Asn Gly Ile Val Tyr Asn Met Leu Lys Lys Thr		
165	170	175

Val Gly Ile Tyr Pro Asn Ala Gln Ile Tyr Val Thr Thr Glu Lys Arg		
180	185	190

Met Ser Tyr Cys Asp Gly Val Phe Lys Lys Glu Thr Gly Lys Asp Arg		
195	200	205

Val Gln Ser Gly Ser Tyr Leu Ser Thr Gly Trp Phe Thr Phe Ile Leu		
210	215	220

Ala Met Asp Ala Cys Tyr Gly Ile His Val Tyr Gly Met Ile Asn Asp			
225	230	235	240

Thr Tyr Cys Lys Thr Glu Gly Tyr Arg Lys Val Pro Tyr His Tyr Tyr		
245	250	255

Glu Gln Gly Arg Asp Glu Cys Asp Glu Tyr Phe Leu His Glu His Ala		
260	265	270

Pro Tyr Gly Gly His Arg Phe Ile Thr Glu Lys Lys Val Phe Ala Lys		
275	280	285

Trp Ala Lys Lys His Arg Ile Ile Phe Thr His Pro Asn Trp Thr Leu		
290	295	300

Ser
305

<210> 1915

<211> 305

<212> PRT

<213> Homo sapiens

<400> 1915

Met Ala Cys Ile Leu Lys Arg Lys Ser Val Ile Ala Val Ser Phe Ile
1 5 10 15

Ala Ala Phe Leu Phe Leu Leu Val Val Arg Leu Val Asn Glu Val Asn
20 25 30

Phe Pro Leu Leu Leu Asn Cys Phe Gly Gln Pro Gly Thr Lys Trp Ile
35 40 45

Pro Phe Ser Tyr Thr Tyr Arg Arg Pro Leu Arg Thr His Tyr Gly Tyr
50 55 60

Ile Asn Val Lys Thr Gln Glu Pro Leu Gln Leu Asp Cys Asp Leu Cys
65 70 75 80

Ala Ile Val Ser Asn Ser Gly Gln Met Val Gly Gln Lys Val Gly Asn
85 90 95

Glu Ile Asp Arg Ser Ser Cys Ile Trp Arg Met Asn Asn Ala Pro Thr
100 105 110

Lys Gly Tyr Glu Glu Asp Val Gly Arg Met Thr Met Ile Arg Val Val
115 120 125

Ser His Thr Ser Val Pro Leu Leu Lys Asn Pro Asp Tyr Phe Phe
130 135 140

Lys Glu Ala Asn Thr Thr Ile Tyr Val Ile Trp Gly Pro Phe Arg Asn
145 150 155 160

Met Arg Lys Asp Gly Asn Gly Ile Val Tyr Asn Met Leu Lys Thr
165 170 175

Val Gly Ile Tyr Pro Asn Ala Gln Ile Tyr Val Thr Thr Glu Lys Arg
180 185 190

Met Ser Tyr Cys Asp Gly Val Phe Lys Lys Glu Thr Gly Lys Asp Arg
195 200 205

Val Gln Ser Gly Ser Tyr Leu Ser Thr Gly Trp Phe Thr Phe Ile Leu
210 215 220

Ala Met Asp Ala Cys Tyr Gly Ile His Val Tyr Gly Met Ile Asn Asp
225 230 235 240

Thr Tyr Cys Lys Thr Glu Gly Tyr Arg Lys Val Pro Tyr His Tyr Tyr
245 250 255

Glu Gln Gly Arg Asp Glu Cys Asp Glu Tyr Phe Leu His Glu His Ala
 260.. 265 270

Pro Tyr Gly Gly His Arg Phe Ile Thr Glu Lys Lys Val Phe Ala Lys
 275 280 285

Trp Ala Lys Lys His Arg Ile Ile Phe Thr His Pro Asn Trp Thr Leu
 290 295 300

Ser
 305

<210> 1916

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1916

Met Asp Ser Gly Gly Trp Met Asp Gly Asp Thr Arg Gln Ala Phe Pro
 1 5 10 15

Cys Pro Trp Gly Leu Val Ser Leu Pro Leu Ala Gly Val Thr Leu Ala
 20 25 30

Leu His Val Phe Thr Ala Ser Ala Leu Pro Arg Glu Leu Arg Ser Glu
 35 40 45

Lys Asp Trp Pro Gly Gln Ser Pro Gly Pro Ile Val Ser Val Pro Gly
 50 55 60

Xaa Gln Glu Gly Ile Leu Glu Gly Gly Pro Gly Thr Gln Phe Ala Leu
 65 70 75 80

<210> 1917

<211> 331

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (249)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (257)

<223> Xaa equals any of the naturally occurring L-amino acids.

<220>

<221> SITE

<222> (298)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (300)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (301)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1917

Met	Asp	Arg	Leu	Lys	Ser	His	Leu	Thr	Val	Cys	Phe	Leu	Pro	Ser	Val
1							5			10				15	

Pro	Phe	Leu	Ile	Leu	Val	Ser	Thr	Leu	Ala	Thr	Ala	Lys	Ser	Val	Thr
							20			25			30		

Asn	Ser	Thr	Leu	Asn	Gly	Thr	Asn	Val	Val	Leu	Gly	Ser	Val	Pro	Val
							35			40			45		

Ile	Ile	Ala	Arg	Thr	Asp	His	Ile	Ile	Val	Lys	Glu	Gly	Asn	Ser	Ala
							50			55			60		

Leu	Ile	Asn	Cys	Ser	Val	Tyr	Gly	Ile	Pro	Asp	Pro	Gln	Phe	Lys	Trp
							65			70			75		80

Tyr	Asn	Ser	Ile	Gly	Lys	Leu	Leu	Lys	Glu	Glu	Glu	Asp	Glu	Lys	Glu
							85			90			95		

Arg	Gly	Gly	Lys	Trp	Gln	Met	His	Asp	Ser	Gly	Leu	Leu	Asn	Ile
							100			105			110	

Thr	Lys	Val	Ser	Phe	Ser	Asp	Arg	Gly	Lys	Tyr	Thr	Cys	Val	Ala	Ser
							115			120			125		

Asn	Ile	Tyr	Gly	Thr	Val	Asn	Asn	Thr	Val	Thr	Leu	Arg	Val	Ile	Phe
							130			135			140		

Thr	Ser	Gly	Asp	Met	Gly	Val	Tyr	Tyr	Met	Val	Val	Cys	Leu	Val	Ala
							145			150			155		160

Phe	Thr	Ile	Val	Met	Val	Leu	Asn	Ile	Thr	Arg	Leu	Cys	Met	Met	Ser
							165			170			175		

Ser	His	Leu	Lys	Lys	Thr	Glu	Lys	Ala	Ile	Asn	Glu	Phe	Phe	Arg	Thr
							180			185			190		

Glu	Gly	Ala	Glu	Lys	Leu	Gln	Lys	Ala	Phe	Glu	Ile	Ala	Lys	Arg	Ile
							195			200			205		

Pro	Ile	Ile	Thr	Ser	Ala	Lys	Thr	Leu	Glu	Leu	Ala	Lys	Val	Thr	Gln
							210			215			220		

Phe	Lys	Thr	Met	Glu	Phe	Ala	Arg	Tyr	Ile	Glu	Glu	Leu	Ala	Arg	Ser
							225			230			235		240

Val Pro Leu Pro Pro Leu Ile Met Xaa Cys Arg Thr Ile Met Glu Glu
 245 250 255

Xaa Met Glu Val Val Gly Leu Glu Glu Gln Gly Gln Asn Phe Val Arg
 260 265 270

His Thr Pro Glu Gly Gln Glu Ala Ala Asp Arg Asp Glu Val Tyr Thr
 275 280 285

Ile Pro Asn Ser Leu Lys Arg Ser Asp Xaa Pro Xaa Xaa Val Leu Gly
 290 295 300

Arg Leu Ile Ala Ala Arg Ala Thr Ser Ala Asn Cys His Gln Gly Val
 305 310 315 320

Ser Ser Pro Ala Val Gln Lys Arg Ala Cys Arg
 325 330

<210> 1918

<211> 77

<212> PRT

<213> Homo sapiens

<400> 1918

Val Gly Ser Leu Leu Gly Ser Ser Leu Val Ala Leu Leu Ser Leu Pro
 1 5 10 15

Gly Gly Trp Leu His Cys Pro Lys Asp Phe Gly Asn Ile Asn Asn Cys
 20 25 30

Arg Met Asp Leu Tyr Phe Phe Leu Leu Ala Gly Ile Gln Ala Val Thr
 35 40 45

Ala Leu Leu Phe Val Trp Ile Ala Gly Arg Tyr Glu Arg Ala Ser Gln
 50 55 60

Gly Pro Ala Ser His Ser Arg Phe Ser Arg Asp Arg Gly
 65 70 75

<210> 1919

<211> 91

<212> PRT

<213> Homo sapiens

<400> 1919

Met Gln Gly Ala Ile Met Gly Ile Phe Phe Cys Leu Ser Gly Val Gly
 1 5 10 15

Ser Leu Leu Gly Ser Ser Leu Val Ala Leu Leu Ser Leu Pro Gly Gly
 20 25 30

Trp Leu His Cys Pro Lys Asp Phe Gly Asn Ile Asn Asn Cys Arg Met
 35 40 45

Asp Leu Tyr Phe Phe Leu Leu Ala Gly Ile Gln Ala Val Thr Ala Leu

50	55	60
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Leu Phe Val Trp Ile Ala Gly Arg Tyr Glu Arg Ala Ser Gln Gly Pro
 65 70 75 80

Ala Ser His Ser Arg Phe Ser Arg Asp Arg Gly
 85 90

<210> 1920

<211> 91

<212> PRT

<213> Homo sapiens

<400> 1920

Met Gln Gly Ala Ile Met Gly Ile Phe Phe Cys Leu Ser Gly Val Gly
 1 5 10 15

Ser Leu Leu Gly Ser Ser Leu Val Ala Leu Leu Ser Leu Pro Gly Gly
 20 25 30

Trp Leu His Cys Pro Lys Asp Phe Gly Asn Ile Asn Asn Cys Arg Met
 35 40 45

Asp Leu Tyr Phe Phe Leu Leu Ala Gly Ile Gln Ala Val Thr Ala Leu
 50 55 60

Leu Phe Val Trp Ile Ala Gly Arg Tyr Glu Arg Ala Ser Gln Gly Pro
 65 70 75 80

Ala Ser His Ser Arg Phe Ser Arg Asp Arg Gly
 85 90

<210> 1921

<211> 108

<212> PRT

<213> Homo sapiens

<400> 1921

Met Ser Leu Thr Pro Pro Thr Pro Val Leu Phe Leu Ser Leu
 1 5 10 15

Leu Trp Ala Arg Phe Phe Leu Ser Arg Leu Lys Cys Pro Gly Gly Cys
 20 25 30

Leu Cys Trp Pro Leu Leu Leu Ser Arg Gly Ser Ser Ala Ala Pro Trp
 35 40 45

Ala Ser Val Pro Met Asp Gly Ala Ala His Ala Ala Ile Ser Ala Pro
 50 55 60

Gly Leu Ser Val Gln Leu Leu Pro Arg Gln Leu Ala Ser Pro Ser Ala
 65 70 75 80

Asn Thr Glu Leu Arg Val Leu Leu Leu Pro Ala Arg Val Arg His Tyr
 85 90 95

Leu Pro Ser Ser Phe His Gln Val Leu Gly Ser Ser
 100 105

<210> 1922

<211> 108

<212> PRT

<213> Homo sapiens

<400> 1922

Met Ser Leu Thr Pro Pro Thr Pro Val Leu Phe Leu Phe Leu Ser Leu
 1 5 10 15

Leu Trp Ala Arg Phe Phe Leu Ser Arg Leu Lys Cys Pro Gly Gly Cys
 20 25 30

Leu Cys Trp Pro Leu Leu Leu Ser Arg Gly Ser Ser Ala Ala Pro Trp
 35 40 45

Ala Ser Val Pro Met Asp Gly Ala Ala His Ala Ala Ile Ser Ala Pro
 50 55 60

Gly Leu Ser Val Gln Leu Leu Pro Arg Gln Leu Ala Ser Pro Ser Ala
 65 70 75 80

Asn Thr Glu Leu Arg Val Leu Leu Leu Pro Ala Arg Val Arg His Tyr
 85 90 95

Leu Pro Ser Ser Phe His Gln Val Leu Gly Ser Ser
 100 105

<210> 1923

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1923

Ser Phe Leu Phe Phe Phe Phe Phe Phe Glu Thr Gly Phe Arg Ser
 1 5 10 15

Val Phe Gln Ala Gly Val Gln Trp Cys Asp Leu Gly Xaa Leu Pro Pro
 20 25 30

Arg Phe Lys Lys Phe Ser Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr
 35 40 45

Arg His Ala Leu Pro His Pro Val Thr Phe Phe Cys Val Phe Leu Val
 50 55 60

Glu Met Ala Phe Ala Met Leu Ala Met Ala Gly Leu Lys Leu Leu Ala
 65 70 75 80

Ser

<210> 1924

<211> 108

<212> PRT

<213> Homo sapiens

<400> 1924

Met	Ser	Leu	Thr	Pro	Pro	Thr	Pro	Val	Leu	Phe	Leu	Phe	Leu	Ser	Leu
1															15

Leu	Trp	Ala	Arg	Phe	Phe	Leu	Ser	Arg	Leu	Lys	Cys	Pro	Gly	Gly	Cys
															30
20								25							

Leu	Cys	Trp	Pro	Leu	Leu	Ser	Arg	Gly	Ser	Ser	Ala	Ala	Pro	Trp
														45
35						40								

Ala	Ser	Val	Pro	Met	Asp	Gly	Ala	Ala	His	Ala	Ile	Ser	Ala	Pro
														50
50						55					60			

Gly	Leu	Ser	Val	Gln	Leu	Leu	Pro	Arg	Gln	Leu	Ala	Ser	Pro	Ser	Ala
															80
65					70				75						

Asn	Thr	Glu	Leu	Arg	Val	Leu	Leu	Pro	Ala	Arg	Val	Arg	His	Tyr
														95
85								90						

Leu	Pro	Ser	Ser	Phe	His	Gln	Val	Leu	Gly	Ser	Ser			
100							105							

<210> 1925

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1925

Met	Tyr	Gln	Pro	His	Thr	Gln	Ser	Trp	Phe	Pro	Trp	Cys	Leu	Ile	Leu
1															15

Ser	Ser	Ser	Gln	Ala	Gly	Thr	Arg	Gly	Leu	Ser	Trp	His	Leu	Ala	Asn
															30
20								25							

Ala	Pro	Val	Lys	Pro	Gly	Met	Gly	Leu	Ala	Phe	Ala	Leu	Ile	Arg	Leu
															45
35						40									

Asp	Ser	Leu	Leu	Thr	Cys	Tyr	Leu	Pro	Cys	Xaa	His	Val	Arg	Leu	Val

50

55

60

Arg Ala His Thr Cys Thr Ser Pro Thr Arg Pro Leu Leu Ser Tyr Gln
 65 70 75 80

Ser Val Pro Ala Ala Ser Met Ile Cys Pro Pro Cys Glu Ile Pro His
 85 90 95

Gly Glu Gly Ser Phe Glu Val Ala Gly Arg Ser Thr Glu Met Xaa His
 100 105 110

Leu Pro Val Glu Ile Pro Arg Leu Pro Gly Gln Cys Gln Gln Ser Gln
 115 120 125

Lys Thr His Pro Leu Ala Trp Ser
 130 135

<210> 1926

<211> 136

<212> PRT

<213> Homo sapiens

<400> 1926

Met Tyr Gln Pro His Thr Gln Ser Trp Phe Pro Trp Cys Leu Ile Leu
 1 5 10 15

Ser Ser Ser Gln Ala Gly Thr Arg Gly Leu Ser Trp His Leu Ala Asn
 20 25 30

Ala Pro Val Lys Pro Gly Met Gly Leu Ala Phe Ala Leu Ile Arg Leu
 35 40 45

Asp Ser Leu Leu Thr Cys Tyr Leu Pro Cys Leu His Val Arg Leu Val
 50 55 60

Arg Ala His Thr Cys Thr Ser Pro Thr Arg Pro Leu Leu Ser Tyr Gln
 65 70 75 80

Ser Val Pro Ala Ala Ser Met Ile Cys Pro Pro Cys Glu Ile Pro His
 85 90 95

Gly Glu Gly Ser Phe Glu Val Ala Gly Arg Ser Thr Glu Met Ser His
 100 105 110

Leu Pro Val Glu Ile Pro Arg Leu Pro Gly Gln Cys Gln Gln Ser Gln
 115 120 125

Lys Thr His Pro Leu Ala Trp Ser
 130 135

<210> 1927

<211> 86

<212> PRT

<213> Homo sapiens

<400> 1927

Met Leu Leu Gly Gly Arg Leu Leu Thr Gly Leu Ala Cys Gly Val Ala
 1 5 10 15

Ser Leu Val Ala Pro Val Ser Val Pro Ser Leu Glu Cys Pro Val Ser
 20 25 30

Arg Pro Glu Thr Glu Gly Glu Trp Asp Lys Pro Leu Pro Arg Pro Gly
 35 40 45

Gly Ala Ala Pro Pro Gly Gly Thr Phe Trp Val Pro Gly Leu Lys Ser
 50 55 60

Leu Arg Tyr Leu Ala Val Pro Pro Val Asp Pro Gly Lys Asp Pro Thr
 65 70 75 80

Val Leu Ser Ile Leu His
 85

<210> 1928

<211> 99

<212> PRT

<213> Homo sapiens

<400> 1928

Met Leu Leu Leu His Ile His Val Phe Gly His Ser Val Pro Ala
 1 5 10 15

Ala Trp Ser Ala Ser Cys Val Gln Ile Leu Pro Val Leu Leu Arg Ile
 20 25 30

Arg Ser Gln Ile Leu Ile His Thr Ile Leu Phe Ala Ala Tyr Thr Leu
 35 40 45

Ala Phe Leu Asn Phe Phe Leu Ser Pro Asn Tyr Ala Val Phe Cys Leu
 50 55 60

Ala Ile Val Leu Leu His Thr Ser Ser Phe Gly Leu Glu Tyr Pro Ser
 65 70 75 80

Leu Cys Leu Phe Phe Leu Lys Glu Thr Gly Ser Gln Cys Gly Leu Val
 85 90 95

Ser Asn Ser

<210> 1929

<211> 99

<212> PRT

<213> Homo sapiens

<400> 1929

Met Leu Leu Leu His Ile His Val Phe Gly His Ser Val Pro Ala
 1 5 10 15

Ala Trp Ser Ala Ser Cys Val Gln Ile Leu Pro Val Leu Leu Arg Ile
 20 25 30

Ala Phe Leu Asn Phe Phe Leu Ser Pro Asn Tyr Ala Val Phe Cys Leu
50 55 60

Leu Cys Leu Phe Phe Leu Lys Glu Thr Gly Ser Gln Cys Gly Leu Val
85 90 95

Ser Asn Ser

<210> 1930

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa

had equals any of the naturally occurring β -amino acids.

Met. Trp. Ser.

Met Thr Ser Ser Ser Thr Asp His Arg Ile Thr Thr Thr Phe Arg Leu Ala
1 5 10 15

Arg Tyr Val Gly Gin Ala Gly Leu Lys Leu Leu Ala Ser Ser Asn Leu
35 40 45

Pro Ala Leu Ala Ser Gin Ser Ala Gly Ile Thr Gly Val Ser His His
 ' 50 55 60

Xaa Trp Leu Gly Gly Leu Ile Lys Thr Pro Ile Leu Ser Leu Thr Pro
65 70 75 80

Arg Val Ser Gly

<210> 1931

<211> 178

<212> PRT

<213> Homo sapiens

<400> 1931

Met Ile Lys Arg Lys Val Asp Arg Glu Asp Lys Leu Asp Ile Pro Met
1 5 10 15

Phe Phe Gly Phe Val Gly Leu Phe Asn Leu Leu Leu Leu Trp Pro Gly
20 25 30

Phe Phe Leu Leu His Tyr Thr Gly Phe Glu Asp Phe Glu Phe Pro Asn
 35 40 45

Lys Val Val Leu Met Cys Ile Ile Ile Asn Gly Leu Ile Gly Thr Val
 50 55 60

Leu Ser Glu Phe Leu Trp Leu Trp Gly Cys Phe Leu Thr Ser Ser Leu
 65 70 75 80

Ile Gly Thr Leu Ala Leu Ser Leu Thr Ile Pro Leu Ser Ile Ile Ala
 85 90 95

Asp Met Cys Met Gln Lys Val Gln Phe Ser Trp Leu Phe Phe Ala Gly
 100 105 110

Ala Ile Pro Val Phe Phe Ser Phe Phe Ile Val Thr Leu Leu Cys His
 115 120 125

Tyr Asn Asn Trp Asp Pro Val Met Val Gly Ile Arg Arg Ile Phe Ala
 130 135 140

Phe Ile Cys Arg Lys His Arg Ile Gln Arg Val Pro Glu Asp Ser Glu
 145 150 155 160

Gln Cys Glu Ser Leu Ile Ser Met His Ser Val Ser Gln Glu Asp Gly
 165 170 175

Ala Ser

<210> 1932

<211> 468

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> I932

Met Asn Ser Gln Asn Ser Gly Phe Thr Gln Arg Arg Arg Met Ala Leu
 1 5 10 15

Gly Ile Xaa Ile Leu Leu Leu Val Asp Val Ile Trp Val Ala Ser Ser
 20 25 30

Glu Leu Thr Ser Tyr Val Phe Thr Gln Tyr Asn Lys Pro Phe Phe Ser
 35 40 45

Thr Phe Ala Lys Thr Ser Met Phe Val Leu Tyr Leu Leu Gly Phe Ile
 50 55 60

Ile Trp Lys Pro Trp Arg Gln Gln Cys Thr Arg Gly Leu Arg Gly Lys
 65 70 75 80

His Ala Ala Phe Phe Ala Asp Ala Glu Gly Tyr Phe Ala Ala Cys Thr
 85 90 95

Thr Asp Thr Thr Met Asn Ser Ser Leu Ser Glu Pro Leu Tyr Val Pro
 100 105 110

Val Lys Phe His Asp Leu Pro Ser Glu Lys Pro Glu Xaa Thr Asn Ile
 115 120 125

Asp Thr Glu Lys Thr Pro Lys Lys Ser Arg Val Arg Phe Ser Asn Ile
 130 135 140

Met Glu Ile Arg Gln Leu Pro Ser Ser His Ala Leu Glu Ala Lys Leu
 145 150 155 160

Ser Arg Met Ser Tyr Pro Val Lys Glu Gln Glu Ser Ile Leu Lys Thr
 165 170 175

Val Gly Lys Leu Thr Ala Thr Gln Val Ala Lys Ile Ser Phe Phe Phe
 180 185 190

Cys Phe Val Trp Phe Leu Ala Asn Leu Ser Tyr Gln Glu Ala Leu Ser
 195 200 205

Asp Thr Gln Val Ala Ile Val Asn Ile Leu Ser Ser Thr Ser Gly Leu
 210 215 220

Phe Thr Leu Ile Leu Ala Ala Val Phe Pro Ser Asn Ser Gly Asp Arg
 225 230 235 240

Phe Thr Leu Ser Lys Leu Leu Ala Val Ile Leu Ser Ile Gly Gly Val
 245 250 255

Val Leu Val Asn Leu Ala Gly Ser Glu Lys Pro Ala Gly Arg Asp Thr
 260 265 270

Val Gly Ser Ile Trp Ser Leu Ala Gly Ala Met Leu Tyr Ala Val Tyr
 275 280 285

Ile Val Met Ile Lys Arg Lys Val Asp Arg Glu Asp Lys Leu Asp Ile
 290 295 300

Pro Met Phe Phe Gly Phe Val Gly Leu Phe Asn Leu Leu Leu Leu Trp
 305 310 315 320

Pro Gly Phe Phe Leu Leu His Tyr Thr Gly Phe Glu Asp Phe Glu Phe
 325 330 335

Pro Asn Lys Val Val Leu Met Cys Ile Ile Ile Asn Gly Leu Ile Gly
 340 345 350

Thr Val Leu Ser Glu Phe Leu Trp Leu Trp Gly Cys Phe Leu Thr Ser
 355 360 365

Ser Leu Ile Gly Thr Leu Ala Leu Ser Leu Thr Ile Pro Leu Ser Ile
 370 375 380

Ile Ala Asp Met Cys Met Gln Lys Val Gln Phe Ser Trp Leu Phe Phe
 385 390 395 400
 Ala Gly Ala Ile Pro Val Phe Phe Ser Phe Phe Ile Val Thr Leu Leu
 405 410 415
 Cys His Tyr Asn Asn Trp Asp Pro Val Met Val Gly Ile Arg Arg Ile
 420 425 430
 Phe Ala Phe Ile Cys Arg Lys His Arg Ile Gln Arg Val Pro Glu Asp
 435 440 445
 Ser Glu Gln Cys Glu Ser Leu Ile Ser Met His Ser Val Ser Gln Glu
 450 455 460
 Asp Gly Ala Ser
 465

<210> 1933
<211> 178
<212> PRT
<213> Homo sapiens

<400> 1933
Met Ile Lys Arg Lys Val Asp Arg Glu Asp Lys Leu Asp Ile Pro Met
 1 5 10 15
 Phe Phe Gly Phe Val Gly Leu Phe Asn Leu Leu Leu Leu Trp Pro Gly
 20 25 30
 Phe Phe Leu Leu His Tyr Thr Gly Phe Glu Asp Phe Glu Phe Pro Asn
 35 40 45
 Lys Val Val Leu Met Cys Ile Ile Ile Asn Gly Leu Ile Gly Thr Val
 50 55 60
 Leu Ser Glu Phe Leu Trp Leu Trp Gly Cys Phe Leu Thr Ser Ser Leu
 65 70 75 80
 Ile Gly Thr Leu Ala Leu Ser Leu Thr Ile Pro Leu Ser Ile Ile Ala
 85 90 95
 Asp Met Cys Met Gln Lys Val Gln Phe Ser Trp Leu Phe Phe Ala Gly
 100 105 110
 Ala Ile Pro Val Phe Phe Ser Phe Phe Ile Val Thr Leu Leu Cys His
 115 120 125
 Tyr Asn Asn Trp Asp Pro Val Met Val Gly Ile Arg Arg Ile Phe Ala
 130 135 140
 Phe Ile Cys Arg Lys His Arg Ile Gln Arg Val Pro Glu Asp Ser Glu
 145 150 155 160
 Gln Cys Glu Ser Leu Ile Ser Met His Ser Val Ser Gln Glu Asp Gly
 165 170 175

Ala Ser

<210> 1934

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1934

Met	Leu	Val	Ala	Trp	Cys	Leu	Ala	Pro	Gly	Asp	Leu	Leu	Leu	Val
1														15

Ile	Ile	Thr	Leu	Pro	Arg	Lys	Glu	Val	Thr	Gly	Ser	Met	Ser	Thr	Val
															30

Cys	Gln	Cys	Glu	Ala	Gln	Pro	Ala	Met	Leu	Pro	Lys	Gly	His	Phe	Thr
35								40							

His	His	Ser	Pro	Lys	Ala	Ala	Arg	Lys	Ala	Gln	Glu	Gly	Thr	Arg	Lys
50								55							

Ala	Arg	Trp	Val	Ala	Leu	Glu	Asp	Ser	Ala	Pro	Phe	His	Pro	Ser	Pro
65					70					75					80

Gly	Trp	Gly	Leu	Ile	Leu	Gln	Leu	His	Pro	Gln	Pro	Met	Asn	Xaa	Ser
85										90					95

Gln	Ser	Ala	Trp	Lys	His	Cys	Cys	Trp	Lys	Asn	Cys	Glu	Glu	Pro	Xaa
100									105						110

Glu	Gly	Lys	Lys												
			115												

<210> 1935

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1935

Lys	Thr	Pro	His	Ser	Trp	Val	Ile	His	Ala	Gly	Glu	Ala	Ser	Cys	His
1															15

Val Glu Arg Thr Leu Lys Gln Ser Tyr Gly Ala Ala His Met Arg Gly
 20 25 30

Thr Glu Ala Pro Ser His Gln Pro Cys Glu Pro Pro Trp Lys Trp Ser
 35 40 45

Leu Gln His Gln Ser Ser Phe Gln Met Ile Ala Ala Pro Asn Thr Ile
 50 55 60

Leu Thr Ser Ile Xaa Arg Thr Ser Ala Ser
 65 70

<210> 1936

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1936

Met Lys Arg Glu Gly Arg Cys Val Leu His Met His Pro Ser Ser Pro
 1 5 10 15

Pro Ser Arg Leu Ser Phe Phe Leu Phe Leu Arg Gln Ser Leu Ala Leu
 20 25 30

Leu Pro Arg Leu Glu Cys Ser Gly Val Ile Leu Ala Gln Arg Asn Leu
 35 40 45

Arg Leu Leu Gly Ser Arg Asp Ser Pro Ala Ser Ala Ser Cys Cys Pro
 50 55 60

Pro Ser Ser Leu Ser Arg Arg Trp Arg Trp Arg Glu Val Pro Glu Gly
 65 70 75 80

Leu Trp Gly Leu Xaa Trp Val Xaa Leu Cys Ser Leu Ser Ala Xaa Trp
 85 90 95

Thr Ala Leu Lys Gly Ser Ser Pro Pro Phe Xaa Ala Lys Gln Leu Gly
 100 105 110

His His Arg Asn Gly Ile Asn Leu Ala Glu Xaa Ser Leu Pro Lys
 115 120 125

<210> 1937

<211> 44

<212> PRT

<213> Homo sapiens

<400> 1937

Leu Met Pro Val Ile Pro Ala Ile Trp Glu Thr Glu Ala Gly Gly Leu
 1 5 10 15

Leu Glu Ala Arg Ser Leu Arg Gln Pro Gly Gln His Ser Glu Thr Pro
 20 25 30

Ser Leu Gln Glu Thr Phe Lys Asn Lys Asn Ser Ser
 35 40

<210> 1938

<211> 89

<212> PRT

<213> Homo sapiens

<400> 1938

Met Asn His Arg Ala Trp Pro Phe Leu Pro Phe Phe Phe Phe Leu
 1 5 10 15

Arg Arg Ser Leu Ala Leu Ser Pro Arg Leu Glu Cys Ser Gly Ala Val
 20 25 30

Ser Ala His Cys Gly Leu Arg Leu Pro Gly Ser Arg His Ser Pro Ala
 35 40 45

Ser Ala Ser Arg Val Ala Gly Thr Ala Gly Ala Arg Tyr His Ala Arg
 50 55 60

Leu Val Phe Phe Val Phe Leu Val Glu Thr Gly Phe His Arg Val Gly
 65 70 75 80

Gln Asp Gly Leu Asp Leu Leu Thr Ser
 85

<210> 1939

<211> 89

<212> PRT

<213> Homo sapiens

<400> 1939

Met Asn His Arg Ala Trp Pro Phe Leu Pro Phe Phe Phe Leu			
1	5	10	15

Arg Arg Ser Leu Ala Leu Ser Pro Arg Leu Glu Cys Ser Gly Ala Val			
20	25	30	

Ser Ala His Cys Gly Leu Arg Leu Pro Gly Ser Arg His Ser Pro Ala			
35	40	45	

Ser Ala Ser Arg Val Ala Gly Thr Ala Gly Ala Arg Tyr His Ala Arg			
50	55	60	

Leu Val Phe Phe Val Phe Leu Val Glu Thr Gly Phe His Arg Val Gly			
65	70	75	80

Gln Asp Gly Leu Asp Leu Leu Thr Ser			
85			

<210> 1940

<211> 223

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (159)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (208)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (218)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (221)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1940

Met Leu His Val Thr Arg Gly Val Trp Gly Ser Arg Val Arg Val Trp			
1	5	10	15

Pro Leu Leu Pro Ala Leu Leu Gly Pro Pro Arg Ala Leu Ser Ser Leu			
20	25	30	

Ala Ala Lys Met Gly Glu Tyr Arg Lys Met Trp Asn Pro Arg Glu Pro			
35	40	45	

Arg Asp Trp Ala Gln Gln Tyr Arg Glu Arg Phe Ile Pro Phe Ser Lys			
50	55	60	

Glu Gln Leu Leu Arg Leu Leu Ile Gln Ala Leu Tyr Asp Pro Ile Asn			
---	--	--	--

65	70	75	80
Pro Asp Arg Glu Thr Leu Asp Gln Pro Ser Leu Thr Asp Pro Gln Arg			
85		90	95
Leu Ser Asn Glu Gln Glu Val Leu Arg Ala Leu Glu Pro Leu Leu Ala			
100	105		110
Gln Ala Asn Phe Ser Pro Leu Ser Glu Asp Thr Leu Ala Tyr Ala Leu			
115	120		125
Val Val His His Pro Gln Asp Glu Val Gln Val Thr Val Asn Leu Asp			
130	135	140	
Gln Tyr Val Tyr Ile His Phe Trp Ala Leu Gly Gln Pro Ser Xaa Ala			
145	150	155	160
Asp Ala Pro Glu Val Gln Arg Gly Leu Gln Ala Cys Leu Leu Ser Pro			
165	170		175
Lys Leu Pro Leu Arg Glu Arg Arg Tyr Phe Lys Arg Val Val Leu Ala			
180	185		190
Ser Pro Asp Gln Asn Gly Asp Thr Trp Asp Leu Lys Lys Phe Ser Xaa			
195	200		205
Thr Pro Pro Leu Gly Lys Ala Trp Glu Xaa Leu Leu Xaa Gly Thr			
210	215		220

<210> 1941

<211> 169

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1941

Ser Pro Lys Xaa Pro Pro Ala Glu Arg Arg Tyr Phe Lys Arg Val Val
1 5 10 15

Leu Xaa Ala Arg Thr Lys Arg Xaa His Leu Val Leu Lys Ser Phe Lys
 20 25 30

Asp Thr Pro Leu Glu Gly Leu Glu Gln Leu Leu Pro Glu Leu Lys Val
 35 40 45

Arg Thr Pro Thr Leu Gln Arg Ala Leu Leu Asn Leu Met Leu Val Val
 50 55 60

Ser Gly Val Ala Ile Phe Val Asn Val Gly Met Val Val Leu Thr Asp
 65 70 75 80

Leu Lys Val Ala Thr Ser Leu Leu Leu Leu Phe Ala Ile Phe Met
 85 90 95

Gly Leu Arg Ala Ser Lys Cys Arg Ala Ala Leu Xaa Ser Cys Thr Gly
 100 105 110

Cys Ser Pro Ser Lys Asp Ser Trp Pro Arg Gly Gln Val Glu Ala Asp
 115 120 125

Thr Gln Leu Val Ser Ala Cys Gln Asn Ala Cys Pro Val Ser Arg Leu
 130 135 140

Ser Gln Pro Arg Gly Glu Leu Pro Phe Thr Asp Ser Ser Gln Gly Trp
 145 150 155 160

His Arg Pro Gln Glu Cys Arg Leu Val
 165

<210> 1942

<211> 327

<212> PRT

<213> Homo sapiens

<400> 1942

Met Leu His Val Thr Arg Gly Val Trp Gly Ser Arg Val Arg Val Trp
 1 5 10 15

Pro Leu Leu Pro Ala Leu Leu Gly Pro Pro Arg Ala Leu Ser Ser Leu
 20 25 30

Ala Ala Lys Met Gly Glu Tyr Arg Lys Met Trp Asn Pro Arg Glu Pro
 35 40 45

Arg Asp Trp Ala Gln Gln Tyr Arg Glu Arg Phe Ile Pro Phe Ser Lys
 50 55 60

Glu Gln Leu Leu Arg Leu Leu Ile Gln Ala Leu Tyr Asp Pro Ile Asn
 65 70 75 80

Pro Asp Arg Glu Thr Leu Asp Gln Pro Ser Leu Thr Asp Pro Gln Arg
 85 90 95

Leu Ser Asn Glu Gln Glu Val Leu Arg Ala Leu Glu Pro Leu Leu Ala
 100 105 110

Gln Ala Asn Phe Ser Pro Leu Ser Glu Asp Thr Leu Ala Tyr Ala Leu

115	120	125
Val Val His His Pro Gln Asp Glu Val Gln Val Thr Val Asn Leu Asp		
130	135	140
Gln Tyr Val Tyr Ile His Phe Trp Ala Leu Gly Gln Arg Val Gly Gln		
145	150	155
Met Pro Leu Lys Ser Ser Val Gly Ser Arg Arg Val Phe Phe Thr Lys		
165	170	175
Leu Pro Pro Ala Glu Arg Arg Tyr Phe Lys Arg Val Val Leu Ala Ala		
180	185	190
Arg Thr Lys Arg Gly His Leu Val Leu Lys Ser Phe Lys Asp Thr Pro		
195	200	205
Leu Glu Gly Leu Glu Gln Leu Leu Pro Glu Leu Lys Val Arg Thr Pro		
210	215	220
Thr Leu Gln Arg Ala Leu Leu Asn Leu Met Leu Val Val Ser Gly Val		
225	230	235
Ala Ile Phe Val Asn Val Gly Met Val Val Leu Thr Asp Leu Lys Val		
245	250	255
Ala Thr Ser Leu Leu Leu Leu Phe Ala Ile Phe Met Gly Leu Arg		
260	265	270
Ala Ser Lys Cys Arg Ala Ala Leu Asn Ser Cys Thr Gly Cys Ser Pro		
275	280	285
Ser Lys Asp Ser Trp Pro Arg Gly Gln Val Glu Ala Asp Thr Gln Leu		
290	295	300
Val Leu Arg Leu Pro Lys Cys Val Ser Cys Leu Glu Ala Glu Ser Ala		
305	310	315
Gln Arg Gly Ala Ala Phe Tyr		
325		

<210> 1943

<211> 118

<212> PRT

<213> Homo sapiens

<400> 1943

Met Lys Asp Leu Trp Phe Leu Leu Leu Val Val Ala Ala Pro Thr Trp		
1	5	10
		15

Val Leu Ser Gln Val Arg Leu Gln Glu Ser Gly Pro Gly Leu Val Ser		
20	25	30

Pro Ser Gln Thr Leu Ser Leu Thr Cys Ser Val Ser Gly Ile Asn Ile		
35	40	45

Gly Gly Gly Lys Tyr Tyr Trp Ala Trp Val Arg Gln Arg Pro Gly Glu		
50	55	60

Gly Pro Glu Trp Val Gly Tyr Ile Ser Tyr Thr Gly Val Ala Asp Tyr
 65 70 75 80
 Asn Pro Ser Leu Arg Gly Arg Leu Thr Ile Ser Leu Gly Glu Ser Asn
 85 90 95
 Ser Phe Ser Leu Thr Leu Thr Ser Met Thr Ala Ala Asp Ala Val Val
 100 105 110
 Tyr Tyr Cys Ala Thr Asp
 115

<210> 1944

<211> 174

<212> PRT

<213> Homo sapiens

<400> 1944

Lys Gly Val Phe Tyr Phe Phe Ile Phe Tyr Leu Pro Leu Phe Ser Trp
 1 5 10 15

Leu Cys Ser Arg Val Cys Val Phe Ala Cys Leu Leu Ser Cys Ser Phe
 20 25 30

Phe Phe Trp Met Lys Thr Pro Ala Phe Pro Asp Ser Pro Pro Ser Ser
 35 40 45

Val Leu Gln Phe Ser Glu Lys Ser Trp Asp Met Trp Glu Gly Ala Trp
 50 55 60

Glu Leu Gly Ser Leu Arg Leu Pro Gly Arg Gln Phe Arg Leu Cys Arg
 65 70 75 80

Lys Glu Gln Ser Pro Trp Glu Ala Leu Gly Glu Gly Gly Ala Ala Gly
 85 90 95

Pro Ala Arg Met Val Leu Pro Ala Thr Gly Gly Leu Arg Val Val Ser
 100 105 110

Ala Pro Cys Ile Ser Pro Ser Leu Leu Thr Phe Leu Leu Cys Phe Pro
 115 120 125

Pro Ser Val Cys Gln Arg Gly Gly Thr Gly Asn Arg Thr Ala Val Ala
 130 135 140

Ala Leu Ser Leu Leu Ser Thr Val Tyr Ser Gly Leu Ser Gly Asp Ser
 145 150 155 160

Arg Glu Pro Gly His Leu Ala Ala Val Arg Pro Leu Asn Leu
 165 170

<210> 1945

<211> 162

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (115)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1945
 Met Ala Ser Ala Leu Ser Tyr Val Ser Lys Phe Lys Ser Phe Val Ile
 1 5 10 15

Leu Phe Val Thr Pro Leu Leu Leu Pro Leu Val Ile Leu Met Pro
 20 25 30

Ala Lys Val Cys Val Gln Tyr Met Lys Asp Thr Asn Met Leu Phe Leu
 35 40 45

Gly Gly Leu Ile Val Ala Val Ala Val Glu Arg Trp Asn Leu His Lys
 50 55 60

Arg Ile Ala Leu Arg Thr Leu Leu Trp Val Gly Ala Lys Pro Ala Arg
 65 70 75 80

Leu Met Leu Gly Phe Met Gly Val Thr Ala Leu Leu Ser Met Trp Ile
 85 90 95

Ser Asn Thr Ala Thr Ala Met Met Val Pro Ile Val Glu Ala Ile
 100 105 110

Leu Gln Xaa Met Glu Ala Thr Ser Ala Ala Thr Glu Ala Gly Leu Glu
 115 120 125

Leu Val Asp Lys Gly Lys Ala Lys Glu Leu Pro Gly Ser Gln Xaa Ile
 130 135 140

Phe Glu Gly Pro Thr Leu Gly Gln Gln Glu Asp Gln Arg Ala Glu Glu
 145 150 155 160

Val Val

<210> 1946
 <211> 173
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1946

Glu	Glu	Pro	Gln	Asp	His	Thr	His	Ser	Pro	Tyr	Pro	Pro	Gln	Asp	Tyr
1			5					10				15			

Arg	Thr	Phe	Trp	His	Thr	Leu	Tyr	Arg	Val	Leu	Gly	Phe	Thr	Pro	Gln
		20					25					30			

Asn	Asp	Pro	Thr	Met	Ser	Thr	His	His	Gln	Asn	Pro	Ala	Asn	Gly	Pro
	35					40				45					

Pro	Leu	Pro	Pro	Ser	Pro	Asp	Ala	Glu	Met	Xaa	Met	Gly	Ser	Trp	Arg
	50				55				60						

Val	Gly	Ser	Glu	Met	Lys	Gly	Thr	Pro	Gln	Trp	Ala	Ala	Gly	Pro	Ile
65				70				75				80			

Phe	Pro	Lys	Pro	Cys	His	Tyr	Leu	Cys	Glu	Gly	Gly	Gln	Val	Ala	Glu
	85					90				95					

Gly	Ser	Gly	Cys	Arg	Leu	Leu	Tyr	Pro	Leu	Cys	Leu	Lys	His	Pro	Pro
	100				105				110						

His	Arg	Ala	Leu	Val	Phe	Thr	Arg	Phe	Val	Leu	Asp	Ser	Leu	Asn	Gly
	115					120				125					

Asn	Xaa	Ile	Pro	Trp	Leu	Arg	Ala	Lys	Thr	Thr	Thr	Tyr	Gln	Cys	Pro
130					135				140						

Cys	Pro	Phe	Gln	Leu	Thr	Leu	Ser	Ser	Leu	Arg	Ser	Ser	Leu	Ser	Leu
145				150				155				160			

Trp	Lys	Gly	His	Pro	Ser	Gln	Gly	Arg	Asn	Ala	Trp	Ser			
	165						170								

<210> 1947

<211> 407

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (193)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (357)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1947

Met	Ala	Ser	Ala	Leu	Ser	Tyr	Val	Ser	Lys	Phe	Lys	Ser	Phe	Val	Ile
1			5					10				15			

Leu	Phe	Val	Thr	Pro	Leu	Leu	Leu	Leu	Pro	Leu	Val	Ile	Leu	Met	Pro
		20				25					30				

Ala Lys Val Cys Val Gln Tyr Met Lys Asp Thr Asn Met Leu Phe Leu
 35 40 45

Gly Gly Leu Ile Val Ala Val Ala Val Glu Arg Trp Asn Leu His Lys
 50 55 60

Arg Ile Ala Leu Arg Thr Leu Leu Trp Val Gly Ala Lys Pro Ala Arg
 65 70 75 80

Leu Met Leu Gly Phe Met Gly Val Thr Ala Leu Leu Ser Met Trp Ile
 85 90 95

Ser Asn Thr Ala Thr Thr Ala Met Met Val Pro Ile Val Glu Ala Ile
 100 105 110

Leu Gln Gln Met Glu Ala Thr Ser Ala Ala Thr Glu Ala Gly Leu Glu
 115 120 125

Leu Val Asp Lys Gly Lys Ala Lys Glu Leu Pro Gly Ser Gln Val Ile
 130 135 140

Phe Glu Gly Pro Thr Leu Gly Gln Gln Glu Asp Gln Glu Arg Lys Arg
 145 150 155 160

Leu Cys Lys Ala Met Thr Leu Cys Ile Cys Tyr Ala Ala Ser Ile Gly
 165 170 175

Gly Thr Ala Thr Leu Thr Gly Thr Gly Pro Asn Val Val Leu Leu Gly
 180 185 190

Xaa Met Asn Glu Leu Phe Pro Asp Ser Lys Asp Leu Val Asn Phe Ala
 195 200 205

Ser Trp Phe Ala Phe Ala Phe Pro Asn Met Leu Val Met Leu Leu Phe
 210 215 220

Ala Trp Leu Trp Leu Gln Phe Val Tyr Met Arg Phe Lys Tyr Val Ser
 225 230 235 240

Asp Ala Thr Val Ala Ile Phe Val Ala Thr Leu Leu Phe Ile Val Pro
 245 250 255

Ser Gln Lys Pro Lys Phe Asn Phe Arg Ser Gln Thr Glu Glu Arg
 260 265 270

Lys Thr Pro Phe Tyr Pro Pro Leu Leu Asp Trp Lys Val Thr Gln
 275 280 285

Glu Lys Val Pro Trp Gly Ile Val Leu Leu Leu Gly Gly Phe Ala
 290 295 300

Leu Ala Lys Gly Ser Glu Ala Ser Gly Leu Ser Val Trp Met Gly Lys
 305 310 315 320

Gln Met Glu Pro Leu His Ala Val Pro Pro Ala Ala Ile Thr Leu Ile
 325 330 335

Leu Ser Leu Leu Val Ala Val Phe Thr Glu Cys Thr Ser Asn Val Ala
 340 345 350

Thr Thr Thr Leu Xaa Leu Pro Ile Phe Ala Ser Met Val Lys Thr Gly
 355 360 365

Val Ile Met Asn Ile Ile Gly Val Phe Cys Val Phe Leu Ala Val Asn
 370 375 380

Thr Trp Gly Arg Ala Ile Phe Asp Leu Asp His Phe Pro Asp Trp Ala
 385 390 395 400

Asn Val Thr His Ile Glu Thr
 405

<210> 1948

<211> 162

<212> PRT

<213> Homo sapiens

<400> 1948

Met Ala Ser Ala Leu Ser Tyr Val Ser Lys Phe Lys Ser Phe Val Ile
 1 5 10 15

Leu Phe Val Thr Pro Leu Leu Leu Pro Leu Val Ile Leu Met Pro
 20 25 30

Ala Lys Val Cys Val Gln Tyr Met Lys Asp Thr Asn Met Leu Phe Leu
 35 40 45

Gly Gly Leu Ile Val Ala Val Ala Val Glu Arg Trp Asn Leu His Lys
 50 55 60

Arg Ile Ala Leu Arg Thr Leu Leu Trp Val Gly Ala Lys Pro Ala Arg
 65 70 75 80

Leu Met Leu Gly Phe Met Gly Val Thr Ala Leu Leu Ser Met Trp Ile
 85 90 95

Ser Asn Thr Ala Thr Ala Met Met Val Pro Ile Val Glu Ala Ile
 100 105 110

Leu Gln Gln Met Glu Ala Thr Ser Ala Ala Thr Glu Ala Gly Leu Glu
 115 120 125

Leu Val Asp Lys Gly Lys Ala Lys Glu Leu Pro Gly Ser Gln Val Ile
 130 135 140

Phe Glu Gly Pro Thr Leu Gly Gln Gln Glu Asp Gln Glu Arg Lys Arg
 145 150 155 160

Leu Cys

<210> 1949

<211> 377

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (327)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1949

Met	Pro	Ala	Lys	Val	Cys	Val	Gln	Tyr	Met	Lys	Asp	Thr	Asn	Met	Leu
1				5					10					15	

Phe	Leu	Gly	Gly	Leu	Ile	Val	Ala	Val	Ala	Val	Glu	Arg	Trp	Asn	Leu
				20				25					30		

His	Lys	Arg	Ile	Ala	Leu	Arg	Thr	Leu	Leu	Trp	Val	Gly	Ala	Lys	Pro
				35				40				45			

Ala	Arg	Leu	Met	Leu	Gly	Phe	Met	Gly	Val	Thr	Ala	Leu	Leu	Ser	Met
			50				55				60				

Trp	Ile	Ser	Asn	Thr	Ala	Thr	Thr	Ala	Met	Met	Val	Pro	Ile	Val	Glu
				65			70		75			80			

Ala	Ile	Leu	Gln	Gln	Met	Glu	Ala	Thr	Ser	Ala	Ala	Thr	Glu	Ala	Gly
			85					90				95			

Leu	Glu	Leu	Val	Asp	Lys	Gly	Lys	Ala	Lys	Glu	Leu	Pro	Gly	Ser	Gln
			100				105				110				

Val	Ile	Phe	Glu	Gly	Pro	Thr	Leu	Gly	Gln	Glu	Asp	Gln	Glu	Arg
				115			120			125				

Lys	Arg	Leu	Cys	Lys	Ala	Met	Thr	Leu	Cys	Ile	Cys	Tyr	Ala	Ala	Ser
				130		135				140					

Ile	Gly	Gly	Thr	Ala	Thr	Leu	Thr	Gly	Thr	Gly	Pro	Asn	Val	Vai	Leu
			145			150		155			160				

Leu	Gly	Gln	Met	Asn	Glu	Leu	Phe	Pro	Asp	Ser	Lys	Asp	Leu	Val	Asn
				165				170			175				

Phe	Ala	Ser	Trp	Phe	Ala	Phe	Pro	Asn	Met	Leu	Val	Met	Leu		
				180			185			190					

Leu	Phe	Ala	Trp	Leu	Trp	Leu	Gln	Phe	Val	Tyr	Met	Arg	Phe	Lys	Tyr
				195			200			205					

Val	Ser	Asp	Ala	Thr	Val	Ala	Ile	Phe	Val	Ala	Thr	Leu	Leu	Phe	Ile
				210			215			220					

Val	Pro	Ser	Gln	Lys	Pro	Lys	Phe	Asn	Phe	Arg	Ser	Gln	Thr	Glu	Glu
			225		230			235		240					

Glu	Arg	Lys	Thr	Pro	Phe	Tyr	Pro	Pro	Leu	Leu	Asp	Trp	Lys	Val	
				245			250			255					

Thr	Gln	Glu	Lys	Val	Pro	Trp	Gly	Ile	Val	Leu	Leu	Gly	Gly	Gly	
				260			265			270					

Phe	Ala	Leu	Ala	Lys	Gly	Ser	Glu	Ala	Ser	Gly	Leu	Ser	Val	Trp	Met
				275			280			285					

Gly Lys Gln Met Glu Pro Leu His Ala Val Pro Pro Ala Ala Ile Thr
 290 295 300

Leu Ile Leu Ser Leu Leu Val Ala Val Phe Thr Glu Cys Thr Ser Asn
 305 310 315 320

Val Ala Thr Thr Leu Xaa Leu Pro Ile Phe Ala Ser Met Val Lys
 325 330 335

Thr Gly Val Ile Met Asn Ile Ile Gly Val Phe Cys Val Phe Leu Ala
 340 345 350

Val Asn Thr Trp Gly Arg Ala Ile Phe Asp Leu Asp His Phe Pro Asp
 355 360 365

Trp Ala Asn Val Thr His Ile Glu Thr
 370 375

<210> 1950

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1950

Met Ser Leu Leu Leu Leu Ser Val Leu Met Ser Pro Gly Ala Arg
 1 5 10 15

Pro Ser Asp Pro Val Glu Val Ile Ala Ser Gly Pro Thr Val Ala Ser
 20 25 30

Ser His Asn Val Gln Asp Cys Leu His Ile Leu Asn Arg Tyr Gly Leu
 35 40 45

Arg Ala Ala Leu Pro Arg Ser Val Lys Thr Val Leu Ser Arg Xaa Asp
 50 55 60

Ser Asp Pro His Gly Pro His Thr Cys Xaa His Val Leu Asn Val Ile
 65 70 75 80

Ile Gly Ser Asn Val Leu Ala Leu Ala Glu Ala Gln Arg Gln Ala Glu
 85 90 95

Ala Leu Gly Tyr Lys Leu Xaa Cys

100

<210> 1951

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1951

Gln	Val	Pro	Met	Ser	Trp	Thr	Pro	Thr	Ser	Cys	Ser	Cys	Gly	Leu	Gly
1					5				10				15		

Asp	Gly	Ile	Gly	His	Ile	Leu	Gly	Val	Gln	Arg	Arg	Pro	Thr	Arg	Ala
					20			25				30			

Arg	Ser	Asp	Gly	Arg	Ala	Ser	Gln	Thr	Gly	Arg	Trp	Gly	Leu	Pro	Pro
					35			40			45				

Thr	Pro	Glu	Asp	Glu	Asp	Lys	Pro	Leu	Gly	Gln	Phe	Ser	Val	Pro	Val
					50			55			60				

Leu	Leu	Pro	Trp	Ala	Ala	Ser	Leu	Leu	Ser	Pro	Ser	Pro	Cys	Phe	Phe
					65			70		75		80			

Leu

<210> 1952

<211> 295

<212> PRT

<213> Homo sapiens

<400> 1952

Met	Ser	Leu	Leu	Leu	Leu	Ser	Val	Leu	Met	Ser	Pro	Gly	Ala	Arg
1					5			10			15			

Pro	Ser	Asp	Pro	Val	Glu	Val	Ile	Ala	Ser	Gly	Pro	Thr	Val	Ala	Ser
					20			25			30				

Ser	His	Asn	Val	Gln	Asp	Cys	Leu	His	Ile	Leu	Asn	Arg	Tyr	Gly	Leu
					35			40			45				

Arg	Ala	Ala	Leu	Pro	Arg	Ser	Val	Lys	Thr	Val	Leu	Ser	Arg	Ala	Asp
					50			55			60				

Ser	Asp	Pro	His	Gly	Pro	His	Thr	Cys	Gly	His	Val	Leu	Asn	Val	Ile
					65			70		75		80			

Ile	Gly	Ser	Asn	Val	Leu	Ala	Leu	Ala	Glu	Ala	Gln	Arg	Gln	Ala	Glu
					85			90			95				

Ala	Leu	Gly	Tyr	Gln	Ala	Val	Val	Leu	Ser	Ala	Ala	Met	Gln	Gly	Asp
					100			105			110				

Val	Lys	Ser	Met	Ala	Gln	Phe	Tyr	Gly	Leu	Leu	Ala	His	Val	Ala	Arg
					115			120			125				

Thr Arg Leu Thr Pro Ser Met Ala Gly Ala Ser Val Glu Glu Asp Ala
 130 135 140
 Gln Leu His Glu Leu Ala Ala Glu Leu Gln Ile Pro Asp Leu Gln Leu
 145 150 155 160
 Glu Glu Ala Leu Glu Thr Met Ala Trp Gly Arg Gly Pro Val Cys Leu
 165 170 175
 Leu Ala Gly Gly Glu Pro Thr Val Gln Leu Gln Gly Ser Gly Arg Gly
 180 185 190
 Gly Arg Asn Gln Glu Leu Ala Leu Arg Val Gly Ala Glu Leu Arg Arg
 195 200 205
 Trp Pro Leu Gly Pro Ile Asp Val Leu Phe Leu Ser Gly Gly Thr Asp
 210 215 220
 Gly Gln Asp Gly Pro Thr Glu Ala Ala Gly Ala Trp Val Thr Pro Glu
 225 230 235 240
 Leu Ala Ser Gln Ala Ala Ala Glu Gly Leu Asp Ile Ala Thr Phe Leu
 245 250 255
 Ala His Asn Asp Ser His Thr Phe Phe Cys Cys Leu Gln Gly Ala
 260 265 270
 His Leu Leu His Thr Gly Met Thr Gly Thr Asn Val Met Asp Thr His
 275 280 285
 Leu Leu Phe Leu Arg Pro Arg
 290 295

<210> 1953

<211> 116

<212> PRT

<213> Homo sapiens

<400> 1953

Met Trp Trp Ala Leu Cys Ser Met Leu Pro Leu Leu Gly Cys Ala Cys
 1 5 10 15

Ser Ser Gly Cys Trp Gly Ser Gly Pro Thr Pro Leu Leu Ala Glu Pro
 20 25 30

Thr Phe Leu Cys Val Ser Ser Arg Pro His Asn Pro Leu Ser Phe Leu
 35 40 45

Ser Val Leu Pro Cys Ser Arg Gly Pro Gly Pro Ser Gly Leu Gln Gly
 50 55 60

Asp Gly Ala Gly Leu Pro Ala His Leu Gly Pro Leu Ser Cys Ile Cys
 65 70 75 80

Leu Pro Ser Leu Leu Cys Asp Leu Gly Glu Arg Gln Cys Pro Leu Trp
 85 90 95

Ala Val Arg Ser Thr Gln Cys Leu Ile Ala Gly Lys Lys Val Leu Gln

100

105

110

Arg Leu Cys Pro
115

<210> 1954

<211> 116

<212> PRT

<213> Homo sapiens

<400> 1954

Met Trp Trp Ala Leu Cys Ser Met Leu Pro Leu Leu Gly Cys Ala Cys			
1	5	10	15

Ser Ser Gly Cys Trp Gly Ser Gly Pro Thr Pro Leu Leu Ala Glu Pro			
20	25	30	

Thr Phe Leu Cys Val Ser Ser Arg Pro His Asn Pro Leu Ser Phe Leu			
35	40	45	

Ser Val Leu Pro Cys Ser Arg Gly Pro Gly Pro Ser Gly Leu Gln Gly			
50	55	60	

Asp Gly Ala Gly Leu Pro Ala His Leu Gly Pro Leu Ser Cys Ile Cys			
65	70	75	80

Leu Pro Ser Leu Leu Cys Asp Leu Gly Glu Arg Gln Cys Pro Leu Trp			
85	90	95	

Ala Val Arg Ser Thr Gln Cys Leu Ile Ala Gly Lys Lys Val Leu Gln			
100	105	110	

Arg Leu Cys Pro
115

<210> 1955

<211> 116

<212> PRT

<213> Homo sapiens

<400> 1955

Met Trp Trp Ala Leu Cys Ser Met Leu Pro Leu Leu Gly Cys Ala Cys			
1	5	10	15

Ser Ser Gly Cys Trp Gly Ser Gly Pro Thr Pro Leu Leu Ala Glu Pro			
20	25	30	

Thr Phe Leu Cys Val Ser Ser Arg Pro His Asn Pro Leu Ser Phe Leu			
35	40	45	

Ser Val Leu Pro Cys Ser Arg Gly Pro Gly Pro Ser Gly Leu Gln Gly			
50	55	60	

Asp Gly Ala Gly Leu Pro Ala His Leu Gly Pro Leu Ser Cys Ile Cys			
65	70	75	80

Leu	Pro	Ser	Leu	Leu	Cys	Asp	Leu	Gly	Glu	Arg	Gln	Cys	Pro	Leu	Trp
							85				90				95
Ala	Val	Arg	Ser	Thr	Gln	Cys	Leu	Ile	Ala	Gly	Lys	Lys	Val	Leu	Gln
								100			105			110	
Arg	Leu	Cys	Pro												
								115							

<210> 1956
<211> 82
<212> PRT
<213> *Homo sapiens*

<400> 1956
Met Ala Ile Pro Pro Phe Ile Met Asn Thr Leu Glu Lys Lys Ala Phe
1 5 10 15

Leu Lys Arg Phe Pro Trp Met Ser Ala Pro Ile Gln Val Gly Leu Val
..... 20 25 30

Gly Phe Cys Leu Val Phe Ala Thr Pro Leu Cys Cys Ala Leu Phe Pro
 35 40 45

Gln Lys Ser Ser Met Ser Val Thr Ser. Leu Glu Ala Glu Leu Gln Ala
50 55 60

Lys Ile Gln Glu Ser His Pro Glu Leu Arg Arg Val Tyr Phe Asn Lys
 65 70 75 80

Gly Leu

<210> 1957
<211> 82
<212> PRT
<213> *Homo sapiens*

<400> 1957
Met Ala Ile Pro Pro Phe Ile Met Asn Thr Leu Glu Lys Lys Ala Phe
1 5 10 15

Leu Lys Arg Phe Pro Trp Met Ser Ala Pro Ile Gln Val Gly Leu Val
20 . 25 . 30

Gly Phe Cys Leu Val Phe Ala Thr Pro Leu Cys Cys Ala Leu Phe Pro
35 40 45

Gln Lys Ser Ser Met Ser Val Thr Ser Leu Glu Ala Glu Leu Gln Ala
50 55 60

Gly Leu

<210> 1958

<211> 18

<212> PRT

<213> Homo sapiens

<400> 1958

Met Arg Phe Ser Glu Ala Trp Thr Ser Pro Trp Cys Met Thr Leu Leu
1 5 10 15

Thr Cys

<210> 1959

<211> 18

<212> PRT

<213> Homo sapiens

<400> 1959

Met Arg Phe Ser Glu Ala Trp Thr Ser Pro Trp Cys Met Thr Leu Leu
1 5 10 15

Thr Cys

<210> 1960

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1960

Met Ser Met Ala Met Gly Ser Xaa Thr Leu Leu Leu Gly Trp Gly Pro
1 5 10 15

Gly Pro Gly Trp Asp Cys Gly Val Met Arg Val Val Leu Cys Trp Leu
20 25 30

Pro Gly Gly Asn Cys Gln Gly Glu Ser Ser Thr
35 40

<210> 1961

<211> 79

<212> PRT

<213> Homo sapiens

<400> 1961

Ala Glu His His Gln Leu Ser Gln Val Leu Val Thr Cys Leu Gly Thr

1	5	10	15												
Cys	Met	Glu	Pro	Glu	Pro	Leu	Thr	Pro	His	Pro	Arg	His	Tyr	Leu	Gly
			20				25								30
Asp	Ala	Gln	Asp	Lys	Cys	Ser	Asn	Asp	Cys	Met	His	Cys	Leu	Ser	Ile
			35				40								45
Gly	Gln	His	Glu	Leu	Pro	Ser	Tyr	Ser	Cys	Gln	Pro	Gly	Arg	Lys	Arg
			50			55									60
Leu	Leu	Pro	His	His	Ser	Gln	Pro	Ser	Phe	Pro	Leu	Ala	Ser	Thr	
			65			70									75

<210> 1962

<211> 305

<212> PRT

<213> Homo sapiens

<400> 1962

Met	Pro	Ala	Asn	Phe	Thr	Glu	Gly	Ser	Phe	Asp	Ser	Ser	Gly	Thr	Gly
1				5					10						15

Gln	Thr	Leu	Asp	Ser	Ser	Pro	Val	Ala	Cys	Thr	Glu	Thr	Val	Thr	Phe
			20				25								30

Thr	Glu	Val	Val	Glu	Gly	Lys	Glu	Trp	Gly	Ser	Phe	Tyr	Tyr	Ser	Phe
			35			40									45

Lys	Thr	Glu	Gln	Leu	Ile	Thr	Leu	Trp	Val	Leu	Phe	Val	Phe	Thr	Ile
				50			55								60

Val	Gly	Asn	Ser	Val	Val	Leu	Phe	Ser	Thr	Trp	Arg	Arg	Lys	Lys	Lys
				65			70			75					80

Ser	Arg	Met	Thr	Phe	Phe	Val	Thr	Gln	Leu	Ala	Ile	Thr	Glu	Lys	Gln
				85				90							95

Ala	Arg	Val	Leu	Ile	Val	Ile	Ala	Trp	Ser	Leu	Ser	Phe	Leu	Phe	Ser
			100				105								110

Ile	Pro	Thr	Leu	Ile	Ile	Phe	Gly	Lys	Arg	Thr	Leu	Ser	Asn	Gly	Glu
			115				120								125

Val	Gln	Cys	Trp	Ala	Leu	Trp	Pro	Asp	Asp	Ser	Tyr	Trp	Thr	Pro	Tyr
				130			135								140

Met	Thr	Ile	Val	Ala	Phe	Leu	Val	Tyr	Phe	Ile	Pro	Leu	Thr	Ile	Ile
			145			150				155					160

Ser	Ile	Met	Tyr	Gly	Ile	Val	Ile	Arg	Thr	Ile	Trp	Ile	Lys	Ser	Lys
				165				170							175

Thr	Tyr	Glu	Thr	Val	Ile	Ser	Asn	Cys	Ser	Asp	Gly	Lys	Leu	Cys	Ser
				180			185								190

Ser	Tyr	Asn	Arg	Gly	Leu	Ile	Ser	Lys	Ala	Lys	Ile	Lys	Ala	Ile	Lys
				195			200								205

Tyr Ser Ile Ile Ile Ile Leu Ala Phe Ile Cys Cys Trp Ser Pro Tyr
 210 215 220

Phe Leu Phe Asp Ile Leu Asp Asn Phe Asn Leu Leu Pro Asp Thr Gln
 225 230 235 240

Glu Arg Phe Tyr Ala Ser Val Ile Ile Gln Asn Leu Pro Ala Leu Asn
 245 250 255

Ser Ala Ile Asn Pro Leu Ile Tyr Cys Val Phe Ser Ser Ser Ile Ser
 260 265 270

Phe Pro Cys Arg Glu Gln Arg Ser Gln Asp Ser Arg Met Thr Phe Arg
 275 280 285

Glu Arg Thr Glu Arg His Glu Met Gln Ile Leu Ser Lys Pro Glu Phe
 290 295 300

Ile
 305

<210> 1963

<211> 43

<212> PRT

<213> Homo sapiens

<400> 1963

Met Ser Met Ala Met Gly Ser Ser Thr Leu Leu Leu Gly Trp Gly Pro
 1 5 10 15

Gly Pro Gly Trp Asp Cys Gly Val Met Arg Val Val Leu Cys Trp Leu
 20 25 30

Pro Gly Gly Asn Cys Gln Gly Glu Ser Ser Thr
 35 40

<210> 1964

<211> 161

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1964

Met Pro Thr Thr Leu Pro Ser Asp Leu Met Leu Leu Trp Leu Gly Leu
 1 5 10 15

Pro Ser Leu Pro Ser Pro Val Glu Glu Glu Gly Arg Leu Val Lys Gly
 20 25 30

Leu Arg Leu Thr Leu Ala Ala Pro Ala Ser Glu Val Leu Pro Asp Trp
 35 40 45

Glu Asp Pro Pro Ser His Pro Thr Ala Trp Ala Gln Pro Arg Thr His
 50 55 60
 Gln Pro Asp Thr Pro Asn Ser Ile Lys Ser Gly Ile Tyr Ser Pro Cys
 65 70 75 80
 Gly Gly Ala Val Leu Arg Gly Ala Gly Ala Ile Val Leu Arg Lys Glu
 85 90 95
 Val Cys Pro Ser Val Arg Leu Xaa Gly Arg Pro Gly Pro Lys Trp Gly
 100 105 110
 Arg Lys Arg Gly Thr Ala Arg Val Lys Ile Pro Ala Tyr Ser Gly Trp
 115 120 125
 Glu Tyr Val Gln Gly Gly Ala Gln Ala Gly Val Gly Ala Gly Gly
 130 135 140
 Pro Ala Ala Ala Ala Pro Thr Arg Gly Pro Pro His Leu Gly Pro Tyr
 145 150 155 160
 Leu

<210> 1965
 <211> 161
 <212> PRT
 <213> Homo sapiens

<400> 1965
 Met Pro Thr Thr Leu Pro Ser Asp Leu Met Leu Leu Trp Leu Gly Leu
 1 5 10 15
 Pro Ser Leu Pro Ser Pro Val Glu Glu Glu Gly Arg Leu Val Lys Gly
 20 25 30
 Leu Arg Leu Thr Leu Ala Ala Pro Ala Ser Glu Val Leu Pro Asp Trp
 35 40 45
 Glu Asp Pro Pro Ser His Pro Thr Ala Trp Ala Gln Pro Arg Thr His
 50 55 60
 Gln Pro Asp Thr Pro Asn Ser Ile Lys Ser Gly Ile Tyr Ser Pro Cys
 65 70 75 80
 Gly Gly Ala Val Leu Arg Gly Ala Gly Ala Ile Val Leu Arg Lys Glu
 85 90 95
 Val Cys Pro Ser Val Arg Leu Ser Gly Arg Pro Gly Pro Lys Trp Gly
 100 105 110
 Arg Lys Arg Gly Thr Ala Arg Val Lys Ile Pro Ala Tyr Ser Gly Trp
 115 120 125
 Glu Tyr Val Gln Gly Gly Ala Gln Ala Gly Val Gly Ala Gly Gly
 130 135 140

Pro Ala Ala Ala Ala Pro Thr Arg Gly Pro Pro His Leu Gly Pro Tyr
 145 150 155 160

Leu

<210> 1966

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1966

Met Gly Pro Phe Ala Pro Thr Leu Leu Met Leu Leu Pro Pro Leu Leu
 1 5 10 15

Met Leu Val Leu Tyr Gly Cys Trp Gln Ala Arg Gly Trp Ala Gly His
 20 25 30

Gln Tyr Glu His His Arg Gly Pro Gly Glu Gln Xaa Ala Ala Tyr Phe
 35 40 45

Gln Ala Met Arg Phe Asn Ala Asn Met Ser Phe His Ala Gln Met Val
 50 55 60

Ile Asn Glu Gly Glu Ala Phe Arg Glu Gly Gln Arg Thr Ile Pro Ala
 65 70 75 80

Val Glu Arg Pro Gly Asn Ala Leu Arg Gln Arg Ser
 85 90

<210> 1967

<211> 92

<212> PRT

<213> Homo sapiens

<400> 1967

Met Gly Pro Phe Ala Pro Thr Leu Leu Met Leu Leu Pro Pro Leu Leu
 1 5 10 15

Met Leu Val Leu Tyr Gly Cys Trp Gln Ala Arg Gly Trp Ala Gly His
 20 25 30

Gln Tyr Glu His His Arg Gly Pro Gly Glu Gln Ser Ala Ala Tyr Phe
 35 40 45

Gln Ala Met Arg Phe Asn Ala Asn Met Ser Phe His Ala Gln Met Val
 50 55 60

Ile Asn Glu Gly Glu Ala Phe Arg Glu Gly Gln Arg Thr Ile Pro Ala
 65 70 75 80

Val Glu Arg Pro Gly Asn Ala Leu Arg Gln Arg Ser
 85 90

<210> 1968
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1968
 Met Trp Pro Arg Leu Ala Phe Cys Cys Trp Gly Leu Ala Leu Val Ser
 1 5 10 15

Gly Trp Ala Xaa Phe Gln Gln Met Ser Pro Ser Arg Asn Phe Ser Phe
 20 25 30

Arg Leu Phe Pro Glu Thr Ala Pro Gly Ala Pro Gly Ser Ile Pro Ala
 35 40 45

Pro Pro Ala Pro Gly Asp Glu Ala Ala Gly Ser Arg Val Glu Arg Leu
 50 55 60

Gly Gln Ala Phe Arg Arg Val Arg Leu Leu Arg Glu Leu Asn Glu
 65 70 75 80

Arg Leu Glu Leu Ala Ser Trp Trp Met Ile Arg Pro Ala Trp Ala Lys
 85 90 95

Ser Thr Ser Ala Ala Ser Ser Cys Ser Ser Ala Ser Cys Cys Pro Thr
 100 105 110

Phe Pro Trp Trp Pro Arg Ala Pro Arg Gly His Ser
 115 120

<210> 1969
 <211> 230
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (79)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1969

Met Trp Pro Arg Leu Ala Phe Cys Cys Trp Gly Leu Ala Leu Val Ser
1 5 10 15

Gly Trp Ala Xaa Phe Gln Gln Met Ser Pro Ser Arg Asn Phe Ser Phe
20 25 30

Arg Leu Phe Pro Glu Thr Ala Pro Gly Ala Pro Gly Ser Ile Pro Ala
35 40 45

Pro Pro Ala Pro Gly Asp Glu Ala Ala Gly Ser Arg Val Glu Arg Leu
50 55 60

Gly Gln Ala Phe Arg Arg Arg Val Arg Leu Leu Arg Glu Leu Xaa Glu
65 70 75 80

Arg Leu Glu Leu Val Phe Leu Val Asp Asp Ser Ser Ser Val Gly Glu
85 90 95

Val Asn Phe Arg Ser Glu Leu Met Phe Val Arg Lys Leu Leu Ser Asp
100 105 110

Phe Pro Val Val Pro Thr Ala Thr Arg Val Ala Ile Val Thr Phe Ser
115 120 125

Ser Lys Asn Tyr Val Val Pro Arg Val Asp Tyr Ile Ser Thr Arg Arg
130 135 140

Ala Arg Gln His Lys Cys Ala Leu Leu Leu Gln Glu Ile Pro Ala Ile
145 150 155 160

Ser Tyr Arg Gly Xaa Gly Thr Tyr Thr Lys Gly Ala Phe Gln Gln Ala
165 170 175

Ala Gln Ile Leu Leu His Ala Arg Glu Asn Ser Thr Lys Val Val Phe
180 185 190

Leu Ile Thr Asp Gly Tyr Ser Lys Gly Glu Thr Leu Ala Gln Leu Gln
195 200 205

Arg His Cys Glu Ile Gln Glu Trp Arg Ser Ser Leu Leu Ala Tyr Gly
210 215 220

Lys Gly Thr Phe Glu Ser
225 230

<210> 1970

<211> 89

<212> PRT

<213> Homo sapiens

<400> 1970

Met Trp Pro Arg Leu Ala Phe Cys Cys Trp Gly Leu Ala Leu Val Ser
1 5 10 15

Gly Trp Ala Thr Phe Gln Gln Met Ser Pro Ser Arg Asn Phe Ser Phe
1275

20

25

30

Arg Leu Phe Pro Glu Thr Ala Pro Gly Ala Pro Gly Ser Ile Pro Ala
 35. 40 45

Pro Pro Ala Pro Gly Asp Glu Ala Ala Gly Ser Arg Val Glu Arg Leu
 50 55 60

Gly Gln Ala Phe Arg Arg Val Arg Leu Leu Arg Glu Leu Ser Arg
 65 70 75 80

Ala Pro Gly Ala Cys Leu Pro Gly Gly
 85

<210> 1971

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1971

Met His Val Lys Trp Xaa Leu Ile Met Phe Leu Ile Cys Ile Ser Leu
 1 5 10 15

Glu Ser Asn Val Asn Gly Tyr Leu Phe Met Cys Leu Leu Phe Gly Tyr
 20 25 30

Leu Leu Trp Arg Asn Val Tyr Pro Asn Leu Leu Pro Ile Leu Asn Phe
 35 40 45

Asn Ser Cys Leu Leu Asp Leu Glu Leu Gln Glu Xaa Phe Val Tyr Ser
 50 55 60

Lys Tyr Gln Thr Phe Asn Lys Tyr Met Ile Cys Lys Cys Phe Phe Ser
 65 70 75 80

His Ala Val Cys Tyr Ser Phe Thr Phe Leu Ile Val Phe Phe Glu Ala
 85 90 95

Gln Thr Phe

<210> 1972

<211> 99

<212> PRT

<213> Homo sapiens

<400> 1972

Met	His	Val	Lys	Trp	Tyr	Leu	Ile	Met	Phe	Leu	Ile	Cys	Ile	Ser	Leu
1				5					10						15
Glu	Ser	Asn	Val	Asn	Gly	Tyr	Leu	Phe	Met	Cys	Leu	Leu	Phe	Gly	Tyr
			20				25						30		
Leu	Leu	Trp	Arg	Asn	Val	Tyr	Pro	Asn	Leu	Leu	Pro	Ile	Leu	Asn	Phe
			35				40					45			
Asn	Ser	Cys	Leu	Leu	Asp	Leu	Glu	Leu	Gln	Glu	Phe	Phe	Val	Tyr	Ser
	50				55				60						
Lys	Tyr	Gln	Thr	Phe	Asn	Lys	Tyr	Met	Ile	Cys	Lys	Cys	Phe	Phe	Ser
65				70				75					80		
His	Ala	Val	Cys	Tyr	Ser	Phe	Thr	Phe	Leu	Ile	Val	Phe	Phe	Glu	Ala
			85				90					95			
Gln	Thr	Phe													

<210> 1973
<211> 153
<212> PRT
<213> Homo sapiens

<400> 1973

Met	His	Thr	His	Thr	Leu	Ser	Leu	Val	Ser	Leu	Ser	Leu	Ser	His	Ser
1					5				10					15	
Phe	Leu	Leu	Ser	Ser	Gln	Val	Thr	Cys	Thr	Leu	Gly	Phe	Leu	Val	Glu
			20			25						30			
Ala	His	Leu	Pro	Pro	Leu	Arg	Gly	Val	Pro	Asp	Cys	Ile	His	His	Asn
			35				40					45			
Pro	Lys	Thr	Arg	Val	Gly	Gly	Asn	Trp	Arg	Glu	Gln	Asn	Thr	Asp	Leu
	50				55				60						
Ile	Leu	Val	Ser	Leu	Leu	Glu	Thr	Ser	Ser	Pro	Lys	Ala	Arg	Ser	Leu
	65				70				75			80			
Lys	Thr	Asn	Leu	Leu	Lys	Thr	Cys	Leu	Leu	Lys	Val	Asn	Asp	Leu	Met
			85				90					95			
Thr	Asn	Leu	Pro	Lys	Ala	Gln	Phe	Leu	Phe	Trp	Cys	Val	Tyr	Ile	His
			100				105					110			
Leu	Gly	Val	Leu	Phe	Phe	Val	Met	Leu	Trp	Ile	Phe	Gln	Gly	Phe	
			115			120					125				
Ile	Ser	Ile	His	Pro	Arg	Val	Leu	Leu	Ser	Tyr	Tyr	Gln	Gln	His	Lys
			130			135				140					
Phe	Ile	Lys	Phe	Ala	Ala	Leu	Cys	Lys							
	145				150										

<210> 1974

<211> 153

<212> PRT

<213> Homo sapiens

<400> 1974

Met	His	Thr	His	Thr	Leu	Ser	Leu	Val	Ser	Leu	Ser	Leu	Ser	His	Ser
1					5				10					15	

Phe	Leu	Leu	Ser	Ser	Gln	Val	Thr	Cys	Thr	Leu	Gly	Phe	Leu	Val	Glu
					20.			25					30		

Ala	His	Leu	Pro	Pro	Leu	Arg	Gly	Val	Pro	Asp	Cys	Ile	His	His	Asn
					35			40				45			

Pro	Lys	Thr	Arg	Val	Gly	Gly	Asn	Trp	Arg	Glu	Gln	Asn	Thr	Asp	Leu
					50			55			60				

Ile	Leu	Val	Ser	Leu	Leu	Glu	Thr	Ser	Ser	Pro	Lys	Ala	Arg	Ser	Leu
					65		70.			75			80		

Lys	Thr	Asn	Leu	Leu	Lys	Thr	Cys	Leu	Leu	Lys	Val	Asn	Asp	Leu	Met
					85			90				95			

Thr	Asn	Leu	Pro	Lys	Ala	Gln	Phe	Leu	Phe	Trp	Cys	Val	Tyr	Ile	His
					100			105				110			

Leu	Gly	Val	Leu	Phe	Phe	Val	Met	Leu	Trp	Ile	Phe	Gln	Gly	Phe
					115			120			125			

Ile	Ser	Ile	His	Pro	Arg	Val	Leu	Leu	Ser	Tyr	Tyr	Gln	Gln	His	Lys
					130			135			140				

Phe	Ile	Lys	Phe	Ala	Ala	Leu	Cys	Lys
					145		150	

<210> 1975

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids.

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1975

Met	Gln	Ala	Gly	Lys	Gly	Leu	Ala	Gln	Val	Trp	Gly	Val	Ala	Thr	Phe
1															

5

10

15

Val	Gln	Leu	Cys	Ala	His	Thr	Val	Phe	Leu	Ser	Met	Tyr	Leu	Cys	Met

20

25

30

His	Ile	Cys	Phe	Ala	Ala	Ile	Ser	Ser	Lys	Val	Arg	Val	Arg	Val	Asn

35

40

45

Ala	Pro	Phe	Cys	Val	Ser	Val	Pro	Leu	Lys	Val	His	Ala	Pro	Leu	Ser

50

55

60

Leu	Gly	Ile	Lys	Val	Gly	Leu	Gln	Gly	Gln	Lys	His	Gly	Arg	Ala	Thr

65

70

75

80

Gly	Glu	Ala	Gly	Met	Pro	Gln	Gly	Glu	Met	Leu	Gly	Lys	Gln	Glu	Pro

85

90

95

Gln	Thr	Xaa	Ser	Ser	Pro	Lys	Pro	Thr	Xaa	Arg	Arg	Glu	Val	Ser	Arg

100

105

110

Asn	Glu	Leu	Asn	Pro	Val	Ile	Pro	Xaa	Ala	Xaa	Asn	Pro	Phe	Xaa	Lys

115

120

125

Lys

<210> 1976

<211> 467

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (160)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1976

Leu	Gly	Pro	Ala	Gly	Leu	Arg	Arg	Arg	Thr	Lys	Arg	Arg	Lys	Arg	Gly
1															

5

10

15

Asp Asn Ser Thr Asp Thr Thr Gln Gly Asp Pro Leu Ser Ile His His

20

25

30

Tyr Phe His Gly Tyr Leu Ala Gly Phe Ser Val Arg Ser Gly Arg Leu
 35 40 45

Glu Ser Arg Glu Val Ile Glu Cys Leu Tyr Ala Cys Arg Glu Gly Leu
 50 55 60

Asp Tyr Arg Asp Phe Glu Ser Leu Gly Lys Gly Met Lys Val His Val
 65 70 75 80

Asn Pro Ser Gln Ser Leu Leu Thr Leu Glu Gly Asp Asp Val Glu Thr
 85 90 95

Phe Asn His Ala Leu Gln His Val Ala Tyr Met Asn Thr Leu Arg Phe
 100 105 110

Ala Thr Pro Gly Val Arg Pro Leu Arg Leu Thr Thr Ala Val Lys Cys
 115 120 125

Phe Ser Glu Glu Ser Cys Val Ser Ile Pro Glu Val Glu Gly Tyr Val
 130 135 140

Val Val Leu Gln Pro Asp Xaa Pro Gln Ile Leu Leu Ser Gly Thr Xaa
 145 150 155 160

His Phe Ala Arg Pro Ala Val Asp Phe Glu Gly Thr Asn Gly Val Pro
 165 170 175

Leu Phe Pro Asp Leu Gln Ile Thr Cys Ser Ile Ser His Gln Val Glu
 180 185 190

Ala Lys Lys Asp Glu Ser Trp Gln Gly Thr Val Thr Asp Thr Arg Met
 195 200 205

Ser Asp Glu Ile Val His Asn Leu Asp Gly Cys Glu Ile Ser Leu Val
 210 215 220

Gly Asp Asp Leu Asp Pro Glu Arg Glu Ser Leu Leu Leu Asp Thr Thr
 225 230 235 240

Ser Leu Gln Gln Arg Gly Leu Glu Leu Thr Asn Thr Ser Ala Tyr Leu
 245 250 255

Thr Ile Ala Gly Val Glu Ser Ile Thr Val Tyr Glu Glu Ile Leu Arg
 260 265 270

Gln Ala Arg Tyr Arg Leu Arg His Gly Ala Ala Leu Tyr Thr Arg Lys
 275 280 285

Phe Arg Leu Ser Cys Ser Glu Met Asn Gly Arg Tyr Ser Ser Asn Glu
 290 295 300

Phe Ile Val Glu Val Asn Val Leu His Ser Met Asn Arg Val Ala His
 305 310 315 320

Pro Ser His Val Leu Ser Ser Gln Gln Phe Leu His Arg Gly His Gln
 325 330 335

Pro Pro Pro Glu Met Ala Gly His Ser Leu Ala Ser Ser His Arg Asn
 1280

Leu Gly Ile Lys Val Gly Leu Gln Gly Gln Lys His Gly Arg Ala Thr
 65 70 75 80
 Gly Glu Ala Gly Met Pro Gln Gly Glu Met Leu Xaa Lys Gln Glu Pro
 85 90 95
 Gln Thr Ser Ser Ser Pro Lys Pro Thr Arg Arg Arg Glu Val Ser Arg
 100 105 110
 Xaa Glu Leu Xaa Pro Val Ile Pro Ser Ala Ala Thr Leu Ile Ile Val
 115 120 125
 Val Cys Val Gly Phe Leu Val Leu Met Val Val Leu Gly Leu Val Arg
 130 135 140
 Ile His Ser Leu His Arg Arg Val Ser Gly Ala Gly Gly Pro Pro Gly
 145 150 155 160
 Ala Ser Ser Asp Pro Lys Asp Pro Asp Leu Phe Trp Asp Asp Ser Ala
 165 170 175
 Leu Thr Ile Ile Val Asn Pro Met Glu Ser Tyr Gln Asn Arg Gln Ser
 180 185 190
 Cys Val Thr Gly Ala Val Gly Gly Gln Gln Glu Asp Glu Asp Ser Ser
 195 200 205
 Asp Ser Glu Val Ala Asp Ser Pro Ser Ser Asp Glu Arg Arg Ile Ile
 210 215 220
 Glu Thr Pro Pro His Arg Tyr
 225 230

<210> 1978

<211> 145

<212> PRT

<213> Homo sapiens

<400> 1978

Pro Phe Thr Phe Gln His Asp Cys Glu Ala Ser Pro Ala Thr Trp Asn
 1 5 10 15

Tyr Leu Arg Arg Met Thr Ala Gly Phe Met Gly Met Ala Val Ala Ile
 20 25 30

Ile Leu Phe Gly Trp Ile Ile Gly Val Leu Gly Cys Cys Trp Asp Arg
 35 40 45

Gly Leu Met Gln Tyr Val Ala Gly Leu Leu Phe Leu Met Gly Gly Thr
 50 55 60

Phe Cys Ile Ile Ser Leu Cys Thr Cys Val Ala Gly Ile Asn Phe Glu
 65 70 75 80

Leu Ser Arg Tyr Pro Arg Tyr Leu Tyr Gly Leu Pro Asp Asp Ile Ser
 85 90 95

His Gly Tyr Gly Trp Ser Met Phe Cys Ala Trp Gly Gly Leu Gly Leu
 100 105 110

Thr Leu Ile Ser Gly Phe Phe Cys Thr Leu Ala Pro Ser Val Gln Pro
 115 120 125

Val Pro Arg Thr Asn Tyr Pro Lys Ser Arg Pro Glu Asn Gly Thr Val
 130 135 140

Cys
 145

<210> 1979

<211> 125

<212> PRT

<213> Homo sapiens

<400> 1979

Met Thr Ala Gly Phe Met Gly Met Ala Val Ala Ile Ile Leu Phe Gly
 1 5 10 15

Trp Ile Ile Gly Val Leu Gly Cys Cys Trp Asp Arg Gly Leu Met Gln
 20 25 30

Tyr Val Ala Gly Leu Leu Phe Leu Met Gly Gly Thr Phe Cys Ile Ile
 35 40 45

Ser Leu Cys Thr Cys Val Ala Gly Ile Asn Phe Glu Leu Ser Arg Tyr
 50 55 60

Pro Arg Tyr Leu Tyr Gly Leu Pro Asp Asp Ile Ser His Gly Tyr Gly
 65 70 75 80

Trp Ser Met Phe Cys Ala Trp Gly Gly Leu Gly Leu Thr Leu Ile Ser
 85 90 95

Gly Phe Phe Cys Thr Leu Ala Pro Ser Val Gln Pro Val Pro Arg Thr
 100 105 110

Asn Tyr Pro Lys Ser Arg Pro Glu Asn Gly Thr Val Cys
 115 120 125

<210> 1980

<211> 146

<212> PRT

<213> Homo sapiens

<400> 1980

Val Pro Phe Thr Phe Gln His Asp Cys Glu Ala Ser Pro Ala Thr Trp
 1 5 10 15

Asn Tyr Leu Arg Arg Met Thr Ala Gly Phe Met Gly Met Ala Val Ala
 20 25 30

Ile Ile Leu Phe Gly Trp Ile Ile Gly Val Leu Gly Cys Cys Trp Asp
 35 40 45

Arg Gly Leu Met Gln Tyr Val Ala Gly Leu Leu Phe Leu Met Gly Gly
 50 55 60

Thr Phe Cys Ile Ile Ser Leu Cys Thr Cys Val Ala Gly Ile Asn Phe
 65 70 75 80

Glu Leu Ser Arg Tyr Pro Arg Tyr Leu Tyr Gly Leu Pro Asp Asp Ile
 85 90 95

Ser His Gly Tyr Gly Trp Ser Met Phe Cys Ala Trp Gly Gly Leu Gly
 100 105 110

Leu Thr Leu Ile Ser Gly Phe Phe Cys Thr Leu Ala Pro Ser Val Gln
 115 120 125

Pro Val Pro Arg Thr Asn Tyr Pro Lys Ser Arg Pro Glu Asn Gly Thr
 130 135 140

Val Cys
 145

<210> 1981

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1981

Met Cys Ser Met Phe Cys Glu Arg Leu Leu Leu Cys His Cys Gln
 1 5 10 15Leu Ser Ile Ala Val Phe Met Tyr Trp Val His Val Thr His Leu Ser
 20 25 30Ser Val Arg Arg Ile Asn Tyr Xaa Phe Leu Ile Tyr Lys Lys Gly Met
 35 40 45Gln Leu Pro Ser Trp Tyr Pro Ser Ser Cys Pro Ala Ser Arg Lys Asn
 50 55 60Gln Val Thr Gly Met Asn Gly Arg Val Val Asn Val Glu Asp Phe Ile
 65 70 75 80Glu Gln Trp Lys Trp Leu Ser Val Gly Trp Gly Ala Arg Lys Gly Leu
 85 90 95Glu Trp Glu Asp Asp Leu Tyr Leu Glu Phe Gly His Pro
 100 105

<210> 1982

<211> 109

<212> PRT

<213> Homo sapiens

<400> 1982

Met	Cys	Ser	Met	Phe	Cys	Glu	Arg	Leu	Leu	Leu	Leu	Cys	His	Cys	Gln
1				5				10				15			

Leu	Ser	Ile	Ala	Val	Phe	Met	Tyr	Trp	Val	His	Val	Thr	His	Leu	Ser
20						25				30					

Ser	Val	Arg	Arg	Ile	Asn	Tyr	Val	Phe	Leu	Ile	Tyr	Lys	Lys	Gly	Met
35					40					45					

Gln	Leu	Pro	Ser	Trp	Tyr	Pro	Ser	Ser	Cys	Pro	Ala	Ser	Arg	Lys	Asn
50					55				60						

Gln	Val	Thr	Gly	Met	Asn	Gly	Arg	Val	Val	Asn	Val	Glu	Asp	Phe	Ile
65				70				75		80					

Glu	Gln	Trp	Lys	Trp	Leu	Ser	Val	Gly	Trp	Gly	Ala	Arg	Lys	Gly	Leu
85					90			95							

Glu	Trp	Glu	Asp	Asp	Leu	Tyr	Leu	Glu	Phe	Gly	His	Pro			
100					105										

<210> 1983

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1983

Met	Cys	Ser	Met	Phe	Cys	Glu	Arg	Leu	Leu	Leu	Leu	Cys	His	Cys	Gln
1				5				10				15			

Leu	Ser	Ile	Ala	Val	Phe	Met	Tyr	Trp	Val	His	Val	Thr	His	Leu	Ser
20						25				30					

Ser	Val	Arg	Arg	Ile	Asn	Tyr	Xaa	Phe	Leu	Ile	Tyr	Lys	Lys	Gly	Met
35					40				45						

Gln	Leu	Pro	Ser	Trp	Tyr	Pro	Ser	Ser	Cys	Pro	Ala	Ser	Arg	Lys	Asn
50					55				60						

Gln	Val	Thr	Gly	Met	Asn	Gly	Arg	Val	Val	Asn	Val	Glu	Asp	Phe	Ile
65				70				75		80					

Glu	Gln	Trp	Lys	Trp	Leu	Ser	Val	Gly	Trp	Gly	Ala	Arg	Lys	Gly	Leu
85					90			95							

Glu	Trp	Glu	Asp	Asp	Leu	Tyr	Leu	Glu	Phe	Gly	His	Pro			
100					105										

<210> 1984

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1984

Gly	Ala	Cys	Arg	Gly	Ser	Ser	Glu	Pro	Gly	Ala	Thr	Pro	Arg	Pro	Asp
1				5					10				15		

Gly	Glu	Pro	Arg	Pro	Leu	Pro	Gly	Leu	His	Cys	Ala	Xaa	Gly	Met	Pro
				20				25					30		

Thr	Pro	Leu	Pro	Xaa	Ser	Pro	Leu	Gly	Leu	Arg	Ser	Leu	Arg	Arg	Val
				35				40				45			

Gly	Trp	Pro	Val	Arg	Lys	Gly	Arg	Val	Gly	Arg	Ala	Trp	Gly	Trp	Ala
				50			55				60				

Gly	Leu	Cys	Glu	Glu	Leu	Gln	Pro	Gln	Ala	Pro	Pro	Cys	His	Glu	Ser
				65		70			75			80			

Lys	Arg	Gly	Arg	Gly	Ala	Val	Ala	His	Asp	Cys	Asn	Pro	Ser	Thr	Leu
				85				90				95			

Gly	Gly	Xaa	Ser	Gly	Gln	Ile	Thr	Arg	Ser	Gly	Val
				100					105		

<210> 1985

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1985

Met	Lys	Lys	Phe	Ser	Tyr	Ala	Phe	Leu	Tyr	Phe	Pro	Ser	Leu	Asn	Phe
1				5					10				15		

Thr	Val	Ser	Thr	Trp	Leu	Cys	Thr	Ala	Leu	Phe	Leu	Leu	His	Ser	His

20

25

30

His Leu Leu Ala Xaa Cys Gly Ser Thr Phe Ala Gln Val Cys Leu Val
 35 40 45

Ser Glu Ser Met Ser Pro Phe Leu Gly Arg Leu Cys Arg Thr Ser Val
 50 55 60

Pro Cys Ala Gly Ala Thr Ala Phe Pro Ala Asp Ser Asp Arg His Cys
 65 70 75 80

Asn Gly Phe Pro Ala Gly Ala Glu Val Thr Asn Arg Pro Ser Pro Trp
 85 90 95

Arg Pro Leu Val Leu Leu Ile Pro Leu Arg Leu Gly Leu Thr Asp Ile
 100 105 110

Asn Glu Ala Tyr Val Glu Thr Leu Lys Val Gly Pro Ala Val Arg Arg
 115 120 125

Leu Pro
 130

<210> 1986

<211> 16

<212> PRT

<213> Homo sapiens

<400> 1986

Pro Ala Ser Gln Lys Ala Val Ser Ala Trp Arg Cys Pro Ala His Val
 1 5 10 15

<210> 1987

<211> 130

<212> PRT

<213> Homo sapiens

<400> 1987

Met Lys Lys Phe Ser Tyr Ala Phe Leu Tyr Phe Pro Ser Leu Asn Phe
 1 5 10 15

Thr Val Ser Thr Trp Leu Cys Thr Ala Leu Phe Leu Leu His Ser His
 20 25 30

His Leu Leu Ala Cys Cys Gly Ser Thr Phe Ala Gln Val Cys Leu Val
 35 40 45

Ser Glu Ser Met Ser Pro Phe Leu Gly Arg Leu Cys Arg Thr Ser Val
 50 55 60

Pro Cys Ala Gly Ala Thr Ala Phe Pro Ala Asp Ser Asp Arg His Cys
 65 70 75 80

<210> 1988
<211> 202
<212> PRT
<213> *Homo sapiens*

<220>
<221> SITE
<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (181)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (195)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (200)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1988
Met Ala Leu Ser Gly Gly Leu Arg Cys Cys Arg Arg Val Leu Ser Trp
1 5 10 15

Tyr Val Phe Glu Leu Cys Leu Val Thr Val Leu Ser Pro Ala Glu Lys
35 40 45

Val Ile Tyr Leu Ile Leu Tyr His Ala Ile Phe Val Phe Phe Thr Trp
50 55 60

Thr Tyr Trp Lys Ser Ile Phe Thr Leu Pro Gln Gln Pro Asn Gln Lys
65 70 75 80

Phe His Leu Ser Tyr Thr Asp Lys Glu Arg Tyr Glu Asn Glu Glu Arg
85 90 95

Pro Glu Val Gln Lys Gln Met Leu Val Asp Met Ala Lys Lys Leu Pro
100 105 110

Val Tyr Thr Arg Thr Gly Ser Gly Ala Val Arg Phe Cys Asp Arg Cys
 115 120 125

His Leu Ile Lys Pro Asp Arg Cys His His Cys Ser Val Cys Ala Met
 130 135 140

Cys Val Leu Lys Met Asp His His Cys Pro Trp Val Asn Asn Cys Ile
 145 150 155 160

Gly Phe Ser Asn Tyr Lys Phe Phe Leu Gln Phe Leu Ala Tyr Ser Xaa
 165 170 175

Leu Tyr Cys Leu Xaa Ile Ala Thr Thr Val Phe Ser Tyr Phe Ile Lys
 180 185 190

Tyr Trp Xaa Gly Glu Leu Pro Xaa Val Ala
 195 200

<210> 1989

<211> 96

<212> PRT

<213> Homo sapiens

<400> 1989

Lys Pro Asn Gly Lys Asn Ile Ser Phe His Ser Ser Tyr Gln Val Lys
 1 5 10 15

Gly Asn Ser Glu Asn Phe Leu Arg Val Phe Asn Ser Pro Thr Lys Ile
 20 25 30

Ile Asn His Ile Tyr Arg Ala Phe Leu Val Leu Lys Gly Ile Lys Leu
 35 40 45

His Leu Leu Leu Val Cys Val Cys Ile Cys Glu His Val Gln His Ile
 50 55 60

Tyr Thr Lys Phe Cys Tyr Ser Val Lys Ile Arg Ala Lys Asn Leu Lys
 65 70 75 80

Pro Leu Phe Asn Tyr Ala Phe Pro Leu Asn Ser Asn Leu Asn Ile Cys
 85 90 95

<210> 1990

<211> 331

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids.

<400> 1990

Met Ala Leu Ser Gly Gly Leu Arg Cys Cys Arg Arg Val Leu Ser Trp
 1 5 10 15

Val Pro Val Leu Val Ile Val Leu Val Val Leu Trp Ser Tyr Tyr Ala
 20 25 30

Tyr Val Phe Glu Leu Cys Leu Val Thr Val Leu Ser Pro Ala Glu Lys
 35 40 45

Val Ile Tyr Leu Ile Leu Tyr His Ala Ile Phe Val Phe Phe Thr Trp
 50 55 60

Thr Tyr Trp Lys Ser Ile Phe Thr Leu Pro Gln Gln Pro Asn Gln Lys
 65 70 75 80

Phe His Leu Ser Tyr Thr Asp Lys Glu Arg Tyr Glu Asn Glu Glu Arg
 85 90 95

Pro Glu Val Gln Lys Gln Met Leu Val Asp Met Ala Lys Lys Leu Pro
 100 105 110

Val Tyr Thr Arg Thr Gly Ser Gly Ala Val Arg Phe Cys Asp Arg Cys
 115 120 125

His Leu Ile Lys Pro Asp Arg Cys His His Cys Ser Val Cys Ala Met
 130 135 140

Cys Val Leu Lys Met Asp His His Cys Pro Trp Val Asn Asn Cys Ile
 145 150 155 160

Gly Phe Ser Asn Tyr Lys Phe Phe Leu Gln Phe Leu Ala Tyr Ser Xaa
 165 170 175

Leu Tyr Cys Leu Tyr Ile Ala Thr Thr Val Phe Ser Tyr Phe Ile Lys
 180 185 190

Tyr Trp Arg Gly Glu Leu Pro Ser Val Arg Ser Lys Phe His Val Leu
 195 200 205

Phe Leu Leu Phe Val Ala Cys Met Phe Phe Val Ser Leu Val Ile Leu
 210 215 220

Phe Gly Tyr His Cys Trp Leu Val Ser Arg Asn Lys Thr Thr Leu Glu
 225 230 235 240

Ala Phe Cys Thr Pro Val Phe Thr Ser Gly Pro Glu Lys Asn Gly Phe
 245 250 255

Asn Leu Gly Phe Ile Lys Asn Ile Gln Gln Val Phe Gly Asp Lys Lys
 260 265 270

Lys Phe Trp Leu Ile Pro Ile Gly Ser Ser Pro Gly Asp Gly His Ser
 275 280 285

Phe Pro Met Arg Ser Met Asn Glu Ser Gln Asn Pro Leu Leu Ala Asn
 290 295 300

Glu Glu Thr Trp Glu Asp Asn Glu Asp Asp Asn Gln Asp Tyr Pro Glu
 305 310 315 320

Gly Ser Ser Ser Leu Ala Val Glu Thr Glu Thr
 325 330

<210> 1991

<211> 235

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (210)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (221)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1991

Met Trp Gly Leu Leu Leu Ala Leu Ala Ala Phe Ala Pro Ala Val Gly
 1 5 10 15

Pro Ala Leu Gly Ala Pro Arg Asn Ser Val Leu Gly Leu Ala Gln Pro
 20 25 30

Gly Thr Thr Lys Val Pro Gly Ser Thr Pro Ala Leu His Ser Ser Pro
 35 40 45

Ala Gln Pro Pro Ala Glu Thr Ala Asn Gly Thr Ser Glu Gln His Val
 50 55 60

Arg Ile Arg Val Ile Lys Lys Lys Val Ile Met Lys Lys Arg Lys
 65 70 75 80

Lys Leu Thr Leu Thr Arg Pro Thr Pro Leu Val Thr Ala Gly Pro Leu
 85 90 95

Val Thr Pro Thr Pro Ala Gly Thr Leu Asp Pro Ala Glu Lys Gln Glu
 100 105 110

Thr Gly Cys Pro Pro Leu Gly Leu Glu Ser Leu Arg Val Ser Asp Ser
 115 120 125

Arg Leu Glu Ala Ser Ser Gln Ser Phe Gly Leu Gly Pro His Arg
 130 135 140

Gly Arg Leu Asn Ile Gln Ser Gly Leu Glu Asp Gly Asp Leu Tyr Asp

145	150	155	160
Gly Ala Trp Cys Ala Glu Glu Gln Asp Ala Xaa Pro Trp Phe Gln Val			
165	170	175	
Asp Ala Gly His Pro Thr Arg Phe Leu Gly Gly Ile Thr Gln Gly Lys			
180	185	190	
Glu Leu Leu Ser Gly Gly Arg Leu Thr Leu Xaa Gln Glu Val			
195	200	205	
Gln Xaa Gly Leu Gly Leu Gly Ser Pro Gly Gly Thr Xaa Asp Leu Ser			
210	215	220	
Ser Pro Phe Leu Ala Gly Met Met Gly Ser His			
225	230	235	

<210> 1992

<211> 197

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (187)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1992

Met Trp Gly Leu Leu Leu Ala Leu Ala Ala Phe Ala Pro Ala Val Gly			
1	5	10	15

Pro Ala Leu Gly Ala Pro Arg Asn Ser Val Leu Gly Leu Ala Gln Pro			
20	25	30	

Gly Thr Thr Lys Val Pro Gly Ser Thr Pro Ala Leu His Ser Ser Pro			
35	40	45	

Ala Gln Pro Pro Ala Glu Thr Ala Asn Gly Thr Ser Glu Gln His Val			
50	55	60	

Arg Ile Arg Val Ile Lys Lys Lys Val Ile Met Lys Lys Arg Lys			
65	70	75	80

Lys Leu Thr Leu Thr Arg Pro Thr Pro Leu Val Thr Ala Gly Pro Leu			
85	90	95	

Val Thr Pro Thr Pro Ala Gly Thr Leu Asp Pro Ala Glu Lys Gln Glu			
100	105	110	

Thr Gly Cys Pro Pro Leu Gly Leu Glu Ser Leu Arg Val Ser Asp Ser
 115 120 125

Arg Leu Glu Ala Ser Ser Ser Gln Ser Phe Gly Leu Gly Pro His Arg
 130 135 140

Gly Arg Leu Asn Ile Gln Ser Gly Leu Glu Asp Gly Asp Leu Tyr Asp
 145 150 155 160

Gly Ala Trp Cys Ala Glu Glu Gln Xaa Ala Asp Pro Trp Phe Gln Val
 165 170 175

Asp Ala Gly His Pro Thr Arg Phe Ser Gly Xaa Ile Thr Gln Gly Arg
 180 185 190

Asn Xaa Val Trp Arg
 195

<210> 1993

<211> 197

<212> PRT

<213> Homo sapiens

<400> 1993

Met Trp Gly Leu Leu Leu Ala Leu Ala Ala Phe Ala Pro Ala Val Gly
 1 5 10 15

Pro Ala Leu Gly Ala Pro Arg Asn Ser Val Leu Gly Leu Ala Gln Pro
 20 25 30

Gly Thr Thr Lys Val Pro Gly Ser Thr Pro Ala Leu His Ser Ser Pro
 35 40 45

Ala Gln Pro Pro Ala Glu Thr Ala Asn Gly Thr Ser Glu Gln His Val
 50 55 60

Arg Ile Arg Val Ile Lys Lys Lys Val Ile Met Lys Lys Arg Lys
 65 70 75 80

Lys Leu Thr Leu Thr Arg Pro Thr Pro Leu Val Thr Ala Gly Pro Leu
 85 90 95

Val Thr Pro Thr Pro Ala Gly Thr Leu Asp Pro Ala Glu Lys Gln Glu
 100 105 110

Thr Gly Cys Pro Pro Leu Gly Leu Glu Ser Leu Arg Val Ser Asp Ser
 115 120 125

Arg Leu Glu Ala Ser Ser Ser Gln Ser Phe Gly Leu Gly Pro His Arg
 130 135 140

Gly Arg Leu Asn Ile Gln Ser Gly Leu Glu Asp Gly Asp Leu Tyr Asp
 145 150 155 160

Gly Ala Trp Cys Ala Glu Glu Gln Asp Ala Asp Pro Trp Phe Gln Val
 165 170 175

Asp Ala Gly His Pro Thr Arg Phe Ser Gly Val Ile Thr Gln Gly Arg
 180 185 190

Asn Ser Val Trp Arg
 195

<210> 1994

<211> 241

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (229)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (230)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (236)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1994

Met Ala Leu Arg Leu Leu Arg Arg Ala Ala Arg Gly Ala Ala Ala Ala
 1 5 10 15

Ala Leu Leu Arg Leu Lys Ala Ser Leu Ala Ala Asp Ile Pro Arg Leu
 20 25 30

Gly Tyr Ser Ser Ser Ser His His Lys Tyr Ile Pro Arg Arg Ala Val
 35 40 45

Leu Tyr Val Pro Gly Asn Asp Glu Lys Lys Ile Lys Lys Ile Pro Ser
 50 55 60

Leu Asn Val Asp Cys Ala Val Leu Asp Cys Glu Asp Gly Val Ala Ala
 65 70 75 80

Asn Lys Lys Asn Glu Ala Arg Leu Arg Ile Val Lys Thr Leu Glu Asp
 85 90 95

Ile Asp Leu Gly Pro Thr Glu Lys Cys Val Arg Val Asn Ser Val Ser
 100 105 110

Ser Gly Leu Ala Glu Glu Asp Leu Glu Thr Leu Leu Gln Ser Arg Val
 115 120 125

Leu Pro Ser Ser Leu Met Leu Pro Lys Val Glu Ser Pro Glu Glu Ile
 130 135 140

Gln Trp Phe Ala Asp Lys Phe Ser Phe His Leu Lys Gly Arg Lys Leu
 145 150 155 160

Glu Gln Pro Met Asn Leu Ile Pro Phe Val Glu Thr Ala Met Gly Leu

165

170

175

Leu Asn Phe Lys Ala Val Cys Glu Glu Thr Leu Lys Val Gly Pro Gln
 180 185 190

Val Gly Leu Phe Leu Asp Ala Val Val Phe Gly Gly Glu Asp Phe Arg
 195 200 205

Ala Ser Ile Gly Ala Thr Ser Ser Lys Glu Thr Leu Gly Tyr Ser Leu
 210 215 220

Arg Pro Ala Lys Xaa Xaa Cys His Ser Glu Thr Xaa Trp Val Ser Lys
 225 230 235 240

Pro

<210> 1995

<211> 340

<212> PRT

<213> Homo sapiens

<400> 1995

Met Ala Leu Arg Leu Leu Arg Arg Ala Ala Arg Gly Ala Ala Ala Ala
 1 5 10 15

Ala Leu Leu Arg Leu Lys Ala Ser Leu Ala Ala Asp Ile Pro Arg Leu
 20 25 30

Gly Tyr Ser Ser Ser His His Lys Tyr Ile Pro Arg Arg Ala Val
 35 40 45

Leu Tyr Val Pro Gly Asn Asp Glu Lys Lys Ile Lys Lys Ile Pro Ser
 50 55 60

Leu Asn Val Asp Cys Ala Val Leu Asp Cys Glu Asp Gly Val Ala Ala
 65 70 75 80

Asn Lys Lys Asn Glu Ala Arg Leu Arg Ile Val Lys Thr Leu Glu Asp
 85 90 95

Ile Asp Leu Gly Pro Thr Glu Lys Cys Val Arg Val Asn Ser Val Ser
 100 105 110

Ser Gly Leu Ala Glu Glu Asp Leu Glu Thr Leu Leu Gln Ser Arg Val
 115 120 125

Leu Pro Ser Ser Leu Met Leu Pro Lys Val Glu Ser Pro Glu Glu Ile
 130 135 140

Gln Trp Phe Ala Asp Lys Phe Ser Phe His Leu Lys Gly Arg Lys Leu
 145 150 155 160

Glu Gln Pro Met Asn Leu Ile Pro Phe Val Glu Thr Ala Met Gly Leu
 165 170 175

Leu Asn Phe Lys Ala Val Cys Glu Glu Thr Leu Lys Val Gly Pro Gln
 180 185 190

Val Gly Leu Phe Leu Asp Ala Val Val Phe Gly Gly Glu Asp Phe Arg
 195 200 205
 Ala Ser Ile Gly Ala Thr Ser Ser Lys Glu Thr Leu Asp Ile Leu Tyr
 210 215 220
 Ala Arg Gln Lys Ile Val Val Ile Ala Lys Ala Phe Gly Leu Gln Ala
 225 230 235 240
 Val Asp Leu Val Tyr Ile Asp Phe Arg Asp Gly Ala Gly Leu Leu Arg
 245 250 255
 Gln Ser Arg Glu Gly Ala Ala Met Gly Phe Thr Gly Lys Gln Val Ile
 260 265 270
 His Pro Asn Gln Ile Ala Val Val Gln Glu Gln Phe Ser Pro Ser Pro
 275 280 285
 Glu Lys Ile Lys Trp Ala Glu Glu Leu Ile Ala Ala Phe Lys Glu His
 290 295 300
 Gln Gln Leu Gly Lys Gly Ala Phe Thr Phe Gln Gly Ser Met Ile Asp
 305 310 315 320
 Met Pro Leu Leu Lys Gln Ala Gln Asn Thr Val Thr Leu Ala Thr Ser
 325 330 335
 Ile Lys Glu Lys
 340

<210> 1996

<211> 85

<212> PRT

<213> Homo sapiens

<400> 1996

Met Ser Pro Pro Pro Pro Leu Leu Leu Leu Leu Ser Leu Ala
 1 5 10 15

Leu Leu Gly Ala Arg Ala Arg Ala Glu Pro Ala Gly Ser Ala Val Pro
 20 25 30

Ala Gln Ser Arg Pro Cys Val Asp Cys His Ala Phe Glu Phe Met Gln
 35 40 45

Arg Ala Leu Gln Asp Leu Arg Lys Thr Ala Cys Ser Leu Asp Ala Arg
 50 55 60

Thr Glu Thr Leu Leu Leu Gln Ala Glu Arg Arg Ala Leu Cys Ala Cys
 65 70 75 80

Trp Pro Ala Gly His
 85

<210> 1997

<211> 95

<212> PRT

<213> Homo sapiens

<400> 1997

Met Ala Pro Pro Pro Ala Cys Arg Ser Pro Met Ser Pro Pro Pro
1 5 10 15

Leu Leu Leu Leu Leu Leu Ser Leu Ala Leu Leu Gly Ala Arg Ala
20 25 30

Arg Ala Glu Pro Ala Gly Ser Ala Val Pro Ala Gln Ser Arg Pro Cys
35 40 45

Val Asp Cys His Ala Phe Glu Phe Met Gln Arg Ala Leu Gln Asp Leu
50 55 60

Arg Lys Thr Ala Cys Ser Leu Asp Ala Arg Thr Glu Thr Leu Leu Leu
65 70 75 80

Gln Ala Glu Arg Arg Ala Leu Cys Ala Cys Trp Pro Ala Gly His
85 90 95

<210> 1998

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1998

Met Leu Cys Met Gln Thr Val Met Pro Gln His Thr Tyr Leu Gln His
1 5 10 15

Leu Val Phe Gly Phe Cys Leu Leu Ile Leu Cys Ile Asn Leu Ser Val

20

25

30

Leu Ala His Arg Tyr Thr Leu Cys Tyr Phe Ser Met Thr Gly Glu Tyr
 35 40 45

Ser Ile Ile Asn Gly Gln Leu Leu Val Tyr Leu Ser Asn Leu Ser Ala
 50 55 60

Gln Trp Lys Tyr Arg Tyr Phe Gln Thr Leu Leu Xaa Leu Xaa Xaa Xaa
 65 70 75 80

Gly Val Val Xaa

<210> 1999

<211> 105

<212> PRT

<213> Homo sapiens

<400> 1999

Met Leu Cys Met Gln Thr Val Met Pro Gln His Thr Tyr Leu Gln His
 1 5 10 15

Leu Val Phe Gly Phe Cys Leu Leu Ile Leu Cys Ile Asn Leu Ser Val
 20 25 30

Leu Ala His Arg Tyr Thr Leu Cys Tyr Phe Ser Met Thr Gly Glu Tyr
 35 40 45

Ser Ile Ile Asn Gly Gln Leu Leu Val Tyr Leu Ser Asn Leu Ser Ala
 50 55 60

Gln Trp Lys Tyr Arg Tyr Phe Gln Thr Leu Leu Val Leu Lys Lys Lys
 65 70 75 80

Lys
 85 90 95

Lys Lys Lys Lys Lys Lys Lys Lys
 100 105

<210> 2000

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7.6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids.

<400> 2000

Met	Leu	Cys	Met	Gln	Thr	Val	Met	Pro	Gln	His	Thr	Tyr	Leu	Gln	His
1															15
			5						10						

Leu	Val	Phe	Gly	Phe	Cys	Leu	Leu	Ile	Leu	Cys	Ile	Asn	Leu	Ser	Val
															30
						20			25						

Leu	Ala	His	Arg	Tyr	Thr	Leu	Cys	Tyr	Phe	Ser	Met	Thr	Gly	Glu	Tyr
															45
									40						

Ser	Ile	Ile	Asn	Gly	Gln	Leu	Leu	Val	Tyr	Leu	Ser	Asn	Leu	Ser	Ala
															60
									55						

Gln	Trp	Lys	Tyr	Arg	Tyr	Phe	Gln	Thr	Leu	Leu	Xaa	Leu	Lys	Lys	Lys
															80
									70			75			

Lys															
															95
									85			90			

Lys	Xaa	Lys	Lys												
							100		105						

<210> 2001

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids.

<400> 2001

Met	Pro	Leu	Ala	Pro	Ser	Pro	Val	Met	Leu	Ile	Leu	Val	Ile	Leu	Leu
1															15
										5		10			

Leu	Phe	Cys	Pro	Ser	Phe	Gln	Phe	Leu	Pro	Ile	Ser	Phe	Tyr	Ser	Phe
															30
									20		25				

Asn	Val	Tyr	Ala	Phe	Ala	Phe	Ser	Gly	Ile	Ser	Pro	Pro	Ser	Cys	Leu
															45
									35		40				

His	Gly	Trp	Leu	His	Phe	Ile	Gln	Ser	Ser	Phe	Phe	Leu	Xaa	Tyr	Ser
															60
									50		55				

Asp	Asn	Ile	Leu	Val	Ser	Pro	Ser	Leu	Tyr	Leu					
65										70		75			

<210> 2002

<211> 75

<212> PRT

<213> Homo sapiens

<400> 2002

Met	Pro	Leu	Ala	Pro	Ser	Pro	Val	Met	Leu	Ile	Leu	Val	Ile	Leu	Leu
1															15
										5		10			

Leu Phe Cys Pro Ser Phe Gln Phe Leu Pro Ile Ser Phe Tyr Ser Phe
 20 25 30

Asn Val Tyr Ala Phe Ala Phe Ser Gly Ile Ser Pro Pro Ser Cys Leu
 35 40 45

His Gly Trp Leu His Phe Ile Gln Ser Ser Phe Phe Leu Leu Tyr Ser
 50 55 60

Asp Asn Ile Leu Phe Ser Pro Ser Leu Tyr Leu
 65 70 75

<210> 2003

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2003

Met Trp Leu Trp Val Trp Leu Ile His Thr Leu His Ser Gly Leu Gln
 1 5 10 15

Lys Pro Arg Glu Arg Ser Leu Pro Glu Ala Thr Phe Gln Asn Leu Leu
 20 25 30

His Pro Pro Thr Asp Leu Pro Ser Pro Cys Pro Leu Phe Glu Ser Arg
 35 40 45

Cys Gln Val Leu Pro Ala Asp Thr Trp Leu Leu Glu Gly Arg Cys Ser
 50 55 60

Phe His Leu Thr Met Gln Ala Cys Phe Ala Val Gly Arg Ala Val Leu
 65 70 75 80

Ser Ser Ser Gln Leu His Thr Gly Ile Thr Trp Arg Val Gln Lys Leu
 85 90 95

Pro Ala Ser Val Lys Glu His Gln Cys Ile Ser Thr Ala Asn Ile Pro
 100 105 110

Asn Ala Arg Leu Asp Ser Xaa Gln Leu Pro Gly Pro Pro Gly Phe Ser
 115 120 125

Ser Phe Gln Glu Leu Ser Asp Pro Gly Ser Ser Leu Asn Val Gly Tyr
 130 135 140

Lys Leu Thr
 145

<210> 2004

<211> 147

<212> PRT

<213> Homo sapiens

<400> 2004

Met	Trp	Leu	Trp	Val	Trp	Leu	Ile	His	Thr	Leu	His	Ser	Gly	Leu	Gln
1				5					10					15	

Lys	Pro	Arg	Glu	Arg	Ser	Leu	Pro	Glu	Ala	Thr	Phe	Gln	Asn	Leu	Leu
						20				25			30		

His	Pro	Pro	Thr	Asp	Leu	Pro	Ser	Pro	Cys	Pro	Leu	Phe	Glu	Ser	Arg
							35				40			45	

Cys	Gln	Val	Leu	Pro	Ala	Asp	Thr	Trp	Leu	Leu	Glu	Gly	Arg	Cys	Ser
							50			55		60			

Phe	His	Leu	Thr	Met	Gln	Ala	Cys	Phe	Ala	Val	Gly	Arg	Ala	Val	Leu
				65				70		75			80		

Ser	Ser	Ser	Gln	Leu	His	Thr	Gly	Ile	Thr	Trp	Arg	Val	Gln	Lys	Leu
					85				90			95			

Pro	Ala	Ser	Val	Lys	Glu	His	Gln	Cys	Ile	Ser	Thr	Ala	Asn	Ile	Pro
				100					105			110			

Asn	Ala	Arg	Leu	Asp	Ser	Leu	Gln	Leu	Pro	Gly	Pro	Pro	Gly	Phe	Ser
						115			120			125			

Ser	Phe	Gln	Glu	Leu	Ser	Asp	Pro	Gly	Ser	Ser	Leu	Asn	Val	Gly	Tyr
					130			135			140				

Lys	Leu	Thr
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145

<210> 2005

<211> 147

<212> PRT

<213> Homo sapiens

<400> 2005

Met	Trp	Leu	Trp	Val	Trp	Leu	Ile	His	Thr	Leu	His	Ser	Gly	Leu	Gln
1				5					10					15	

Lys	Pro	Arg	Glu	Arg	Ser	Leu	Pro	Glu	Ala	Thr	Phe	Gln	Asn	Leu	Leu
						20				25			30		

His	Pro	Pro	Thr	Asp	Leu	Pro	Ser	Pro	Cys	Pro	Leu	Phe	Glu	Ser	Arg
							35		40		45				

Cys	Gln	Val	Leu	Pro	Ala	Asp	Thr	Trp	Leu	Leu	Glu	Gly	Arg	Cys	Ser
					50				55		60				

Phe	His	Leu	Thr	Met	Gln	Ala	Cys	Phe	Ala	Val	Gly	Arg	Ala	Val	Leu
				65				70		75		80			

Ser	Ser	Ser	Gln	Leu	His	Thr	Gly	Ile	Thr	Trp	Arg	Val	Gln	Lys	Leu
					85				90			95			

Pro Ala Ser Val Lys Glu His Gln Cys Ile Ser Thr Ala Asn Ile Pro
 100 105 110
 Asn Ala Arg Leu Asp Ser Leu Gln Leu Pro Gly Pro Pro Gly Phe Ser
 115 120 125
 Ser Phe Gln Glu Leu Ser Asp Pro Gly Ser Ser Leu Asn Val Gly Tyr
 130 135 140
 Lys Leu Thr
 145

<210> 2006

<211> 127

<212> PRT

<213> Homo sapiens

<400> 2006

Gln Gly Tyr Phe Arg Met Asp Ser Ser Ala Thr Gln Phe His Ile Glu
 1 5 10 15

Thr His Glu Asn Thr Ser Gly Leu Trp Ser Ile Trp Tyr Arg Asn His
 20 25 30

Phe Asp Arg Ser Val Val Leu Asn Asp Val Phe Leu Ser Lys Glu Thr
 35 40 45

Lys His Met Leu Lys Ile Leu Asn Phe Thr Gly Pro Leu Phe Leu Pro
 50 55 60

Pro Gly Cys Trp Asn Ile Phe Ser Leu Lys Leu Ala Val Lys Asp Ile
 65 70 75 80

Ala Ile Asn Leu Phe Thr Asn Val Phe Leu Thr Thr Asn Ile Gly Ala
 85 90 95

Ile Phe Ala Ile Pro Leu Gln Ile Ser His Cys Leu Glu Thr Arg Val
 100 105 110

Thr Val Gly Met Cys Glu Asn Asn Trp Ile Phe Lys Gln Cys Glu
 115 120 125

<210> 2007

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2007

Lys	Gly	Thr	Pro	Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr
1				5				10					15		

Arg	Pro	Gly	Asp	Leu	Trp	Pro	Thr	Xaa	Xaa	Val	Cys	Val	Thr	Ser	Ser
				20				25				30			

Leu	Xaa	Cys	Thr	Leu	Glu	Asn	Gly	Val	Pro	Cys	Val	Ile	Gln	Glu	Ser
					35			40				45			

Ala	Pro	Val	His	Asn	Ser	Phe	Ile	Asp	Trp	Ser	Ala	Thr	Cys	Glu	Gly
					50			55			60				

Gln	Phe	Ser	Ser	Ala	Tyr	Cys	Pro	Leu	Glu	Leu	Asn	Asp	Tyr	Asn	Ala
					65			70			75		80		

Phe	Pro	Glu	Glu	Asn	Met	Asn	Tyr	Ala	Asn	Gly	Phe	Pro	Cys	Pro	Ala
					85			90			95				

Asp	Val	Gln	Thr	Asp	Phe	Ile	Asp	His	Asn	Ser	Gln	Ser	Thr	Trp	Asn
					100			105			110				

Thr	Pro	Pro	Asn	Met	Pro	Ala	Ala	Trp	Gly	His	Ala	Ser	Phe	Ile	Ser
					115			120			125				

Ser	Pro	Pro	Tyr	Leu	Thr	Ser	Thr	Arg	Ser	Leu	Ser	Pro	Met	Ser	Gly
					130			135			140				

Leu	Phe	Gly	Ser	Ile	Trp	Ala	Pro	Gln	Ser	Asp	Val	Tyr	Glu	Asn	Cys
					145			150			155		160		

Cys	Pro	Ile	Asn	Pro	Thr	Thr	Glu	His	Ser	Thr	His	Met	Glu	Asn	Gln
					165			170			175				

Ala	Val	Val	Cys	Lys	Glu	Tyr	Tyr	Pro	Gly	Phe	Asn	Pro	Phe	Arg	Ala
					180			185			190				

Tyr	Met	Asn	Leu	Asp	Ile	Trp	Thr	Thr	Ala	Asn	Arg	Asn	Ala	Asn	
					195			200			205				

Phe	Pro	Leu	Ser	Arg	Asp	Ser	Ser	Tyr	Cys	Gly	Asn	Val			
					210			215			220				

<210> 2008

<211> 166

<212> PRT

<213> Homo sapiens

<400> 2008

Met	Ala	Gly	Leu	Arg	Arg	Pro	Gln	Pro	Gly	Cys	Tyr	Cys	Arg	Thr	Ala
					1			5			10		15		

Ala Ala Val Asn Leu Leu Leu Gly Val Phe Gln Val Leu Leu Pro Cys
 20 25 30

Cys Arg Pro Gly Gly Ala Gln Gly Gln Ala Ile Glu Pro Leu Pro Asn
 35 40 45

Val Val Glu Leu Trp Gln Ala Glu Glu Gly Glu Leu Leu Leu Pro Thr
 50 55 60

Gln Gly Asp Ser Glu Glu Gly Leu Glu Glu Pro Ser Gln Glu Gln Ser
 65 70 75 80

Phe Ser Asp Lys Leu Phe Ser Gly Lys Gly Leu His Phe Gln Pro Ser
 85 90 95

Val Leu Asp Phe Gly Ile Gln Phe Leu Gly His Pro Val Ala Lys Ile
 100 105 110

Leu His Ala Tyr Asn Pro Ser Arg Asp Ser Glu Val Val Val Asn Ser
 115 120 125

Val Phe Ala Ala Ala Gly His Phe His Val Pro Pro Val Pro Cys Arg
 130 135 140

Val Ile Pro Ala Met Gly Lys Thr Ser Ser Glu Leu Phe Ser Tyr Leu
 145 150 155 160

Thr Glu Glu Gly Ser Ile
 165

<210> 2009

<211> 19

<212> PRT

<213> Homo sapiens

<400> 2009

Ile Pro Cys Thr Arg Pro Leu Gly Phe Pro Cys Gly Ser Asn Val Pro
 1 5 10 15

Trp Trp Gly

<210> 2010

<211> 511

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (358)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (388)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2010

Met	Ala	Gly	Leu	Arg	Arg	Pro	Gln	Pro	Gly	Cys	Tyr	Cys	Arg	Thr	Ala
1				5					10				15		

Ala	Ala	Val	Asn	Leu	Leu	Leu	Gly	Val	Phe	Gln	Val	Leu	Leu	Pro	Cys
				20				25				30			

Cys	Arg	Pro	Gly	Gly	Ala	Gln	Gly	Gln	Ala	Ile	Glu	Pro	Leu	Pro	Asn
					35			40			45				

Val	Val	Glu	Leu	Trp	Gln	Ala	Glu	Glu	Gly	Glu	Leu	Leu	Leu	Pro	Thr
				50			55			60					

Gln	Gly	Asp	Ser	Glu	Glu	Gly	Leu	Glu	Glu	Pro	Ser	Gln	Glu	Gln	Ser
				65			70			75		80			

Phe	Ser	Asp	Lys	Leu	Phe	Ser	Gly	Lys	Gly	Leu	His	Phe	Gln	Pro	Ser
				85				90			95				

Val	Leu	Asp	Phe	Gly	Ile	Gln	Phe	Leu	Gly	His	Pro	Val	Ala	Lys	Ile
				100				105			110				

Leu	His	Ala	Tyr	Asn	Pro	Ser	Arg	Asp	Ser	Glu	Val	Val	Val	Asn	Ser
				115			120				125				

Val	Phe	Ala	Ala	Ala	Gly	His	Phe	His	Val	Pro	Pro	Val	Pro	Cys	Arg
				130			135			140					

Val	Ile	Pro	Ala	Met	Gly	Lys	Thr	Ser	Phe	Arg	Ile	Ile	Phe	Leu	Pro
	145				150			155			160				

Thr	Glu	Gly	Ser	Ile	Glu	Ser	Ser	Leu	Xaa	Ile	Asn	Thr	Ser	Ser
				165				170			175			

Tyr	Gly	Val	Leu	Ser	Tyr	His	Val	Ser	Gly	Ile	Gly	Thr	Arg	Arg	Ile
				180				185			190				

Ser	Thr	Glu	Gly	Ser	Ala	Lys	Gln	Leu	Pro	Asn	Ala	Tyr	Phe	Leu	Leu
				195			200			205					

Pro	Lys	Val	Gln	Ser	Ile	Gln	Leu	Ser	Gln	Met	Gln	Ala	Glu	Thr	Thr
				210			215			220					

Asn	Thr	Ser	Leu	Leu	Gln	Val	Gln	Leu	Glu	Cys	Ser	Leu	His	Asn	Lys
	225				230			235			240				

Val	Cys	Gln	Gln	Leu	Lys	Gly	Cys	Tyr	Leu	Glu	Ser	Asp	Asp	Val	Leu
				245				250			255				

Arg	Leu	Gln	Met	Ser	Ile	Met	Val	Thr	Met	Glu	Asn	Phe	Ser	Lys	Glu
				260			265			270					

Phe	Glu	Glu	Asn	Thr	Gln	His	Leu	Leu	Asp	His	Leu	Ser	Ile	Val	Tyr
				275			280			285					

Val Ala Thr Asp Glu Ser Glu Thr Ser Asp Asp Ser Ala Val Asn Met
 290 295 300
 Tyr Ile Leu His Ser Gly Asn Ser Leu Ile Trp Ile Gln Asp Ile Arg
 305 310 315 320
 His Phe Ser Gln Arg Asp Ala Leu Ser Leu Gln Phe Glu Pro Val Leu
 325 330 335
 Leu Pro Thr Ser Thr Thr Asn Phe Thr Lys Ile Ala Ser Phe Thr Cys
 340 345 350
 Lys Ala Ala Thr Ser Xaa Asp Ser Gly Ile Ile Glu Asp Val Lys Lys
 355 360 365
 Thr Thr His Thr Pro Thr Leu Lys Ala Cys Leu Phe Ser Ser Val Ala
 370 375 380
 Gln Gly Tyr Xaa Arg Met Asp Ser Ser Ala Thr Gln Phe His Ile Glu
 385 390 395 400
 Thr His Glu Asn Thr Ser Gly Leu Trp Ser Ile Trp Tyr Arg Asn His
 405 410 415
 Phe Asp Arg Ser Val Val Leu Asn Asp Val Phe Leu Ser Lys Glu Thr
 420 425 430
 Lys His Met Leu Lys Ile Leu Asn Phe Thr Gly Pro Leu Phe Leu Pro
 435 440 445
 Pro Gly Cys Trp Asn Ile Phe Ser Leu Lys Leu Ala Val Lys Asp Ile
 450 455 460
 Ala Ile Asn Leu Phe Thr Asn Val Phe Leu Thr Thr Asn Ile Gly Ala
 465 470 475 480
 Ile Phe Ala Ile Pro Leu Gln Ile Ser His Cys Leu Glu Thr Arg Val
 485 490 495
 Thr Val Gly Met Cys Glu Asn Asn Trp Ile Phe Lys Gln Cys Glu
 500 505 510

<210> 2011

<211> 317

<212> PRT

<213> Homo sapiens

<400> 2011

Met Ile Ala Leu Leu Lys Ile Leu Leu Ala Ala Ala Pro Thr Ser Lys
 1 5 10 15

Ala Lys Thr Asp Ser Ile Asn Ile Leu Ala Asp Val Leu Pro Glu Glu
 20 25 30

Met Pro Thr Thr Val Leu Gln Ser Met Lys Leu Gly Val Asp Val Asn
 35 40 45

Arg His Lys Glu Val Ile Val Lys Ala Ile Ser Ala Val Leu Leu Leu
 50 55 60

Leu Leu Lys His Phe Lys Leu Asn His Val Tyr Gln Phe Glu Tyr Met
 65 70 75 80

Ala Gln His Leu Val Phe Ala Asn Cys Ile Pro Leu Ile Leu Lys Phe
 85 90 95

Phe Asn Gln Asn Ile Met Ser Tyr Ile Thr Ala Lys Asn Ser Ile Ser
 100 105 110

Val Leu Asp Tyr Pro His Cys Val Val His Glu Leu Pro Glu Leu Thr
 115 120 125

Ala Glu Ser Leu Glu Ala Gly Asp Ser Asn Gln Phe Cys Trp Arg Asn
 130 135 140

Leu Phe Ser Cys Ile Asn Leu Leu Arg Ile Leu Asn Lys Leu Thr Lys
 145 150 155 160

Trp Lys His Ser Arg Thr Met Met Leu Val Val Phe Lys Ser Ala Pro
 165 170 175

Ile Leu Lys Arg Ala Leu Lys Val Lys Gln Ala Met Met Gln Leu Tyr
 180 185 190

Val Leu Lys Leu Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg Gln Trp
 195 200 205

Arg Lys Ser Asn Met Lys Thr Met Ser Ala Ile Tyr Gln Lys Val Arg
 210 215 220

His Arg Leu Asn Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp Ala Arg
 225 230 235 240

Pro Trp Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn Ile Glu
 245 250 255

Arg Phe Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro Asp Phe
 260 265 270

Leu Pro Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg Val Asp
 275 280 285

Leu Pro Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu Arg Glu
 290 295 300

Val Phe Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu Gln
 305 310 315

<210> 2012

<211> 957

<212> PRT

<213> Homo sapiens

<400> 2012

Met Ala Leu Leu His Trp Gly Ala Leu Trp Arg Gln Leu Ala Ser Pro

1	5	10	15													
Cys	Gly	Ala	Trp	Ala	Leu	Arg	Asp	Thr	Pro	Ile	Pro	Arg	Trp	Lys	Leu	
			20			25							30			
Ser	Ser	Ala	Glu	Thr	Tyr	Ser	Arg	Met	Arg	Leu	Lys	Leu	Val	Pro	Asn	
			35			40							45			
His	His	Phe	Asp	Pro	His	Leu	Glu	Ala	Ser	Ala	Leu	Arg	Asp	Asn	Leu	
			50			55							60			
Gly	Glu	Val	Pro	Leu	Thr	Pro	Thr	Glu	Glu	Ala	Ser	Leu	Pro	Leu	Ala	
			65			70			75				80			
Val	Thr	Lys	Glu	Ala	Lys	Val	Ser	Thr	Pro	Pro	Glu	Leu	Leu	Gln	Glu	
			85					90					95			
Asp	Gln	Leu	Gly	Glu	Asp	Glu	Leu	Ala	Glu	Leu	Glu	Thr	Pro	Met	Glu	
			100				105						110			
Ala	Ala	Glu	Leu	Asp	Glu	Gln	Arg	Glu	Lys	Leu	Val	Leu	Ser	Ala	Glu	
			115			120							125			
Cys	Gln	Leu	Val	Thr	Val	Val	Ala	Val	Val	Pro	Gly	Leu	Leu	Glu	Val	
			130			135					140					
Thr	Thr	Gln	Asn	Val	Tyr	Phe	Tyr	Asp	Gly	Ser	Thr	Glu	Arg	Val	Glu	
			145			150				155			160			
Thr	Glu	Glu	Gly	Ile	Gly	Tyr	Asp	Phe	Arg	Arg	Arg	Pro	Leu	Ala	Gln	Leu
			165					170					175			
Arg	Glu	Val	His	Leu	Arg	Arg	Phe	Asn	Leu	Arg	Arg	Ser	Ala	Leu	Glu	
			180					185					190			
Leu	Phe	Phe	Ile	Asp	Gln	Ala	Asn	Tyr	Phe	Leu	Asn	Phe	Pro	Cys	Lys	
			195			200					205					
Val	Gly	Thr	Thr	Pro	Val	Ser	Ser	Pro	Ser	Gln	Thr	Pro	Arg	Pro	Gln	
					210		215				220					
Pro	Gly	Pro	Ile	Pro	Pro	His	Thr	Gln	Val	Arg	Asn	Gln	Val	Tyr	Ser	
			225			230			235				240			
Trp	Leu	Leu	Arg	Leu	Arg	Pro	Pro	Ser	Gln	Gly	Tyr	Leu	Ser	Ser	Arg	
			245					250					255			
Ser	Pro	Gln	Glu	Met	Leu	Arg	Ala	Ser	Gly	Leu	Thr	Gln	Lys	Trp	Val	
			260				265				270					
Gln	Arg	Glu	Ile	Ser	Asn	Phe	Glu	Tyr	Leu	Met	Gln	Leu	Asn	Thr	Ile	
			275				280				285					
Ala	Gly	Arg	Thr	Tyr	Asn	Asp	Leu	Ser	Gln	Tyr	Pro	Val	Phe	Pro	Trp	
			290			295					300					
Val	Leu	Gln	Asp	Tyr	Val	Ser	Pro	Thr	Leu	Asp	Leu	Ser	Asn	Pro	Ala	
			305			310				315			320			
Val	Phe	Arg	Asp	Leu	Ser	Lys	Pro	Ile	Gly	Val	Val	Asn	Pro	Lys	His	

325

330

335

Ala Gln Leu Val Arg Glu Lys Tyr Glu Ser Phe Glu Asp Pro Ala Gly
 340 345 350

Thr Ile Asp Lys Phe His Tyr Gly Thr His Tyr Ser Asn Ala Ala Gly
 355 360 365

Val Met His Tyr Leu Ile Arg Val Glu Pro Phe Thr Ser Leu His Val
 370 375 380

Gln Leu Gln Ser Gly Arg Phe Asp Cys Ser Asp Arg Gln Phe His Ser
 385 390 395 400

Val Ala Ala Ala Trp Gln Ala Arg Leu Glu Ser Pro Ala Asp Val Lys
 405 410 415

Glu Leu Ile Pro Glu Phe Phe Tyr Phe Pro Asp Phe Leu Glu Asn Gln
 420 425 430

Asn Gly Phe Asp Leu Gly Cys Leu Gln Leu Thr Asn Glu Lys Val Gly
 435 440 445

Asp Val Val Leu Pro Pro Trp Ala Ser Ser Pro Glu Asp Phe Ile Gln
 450 455 460

Gln His Arg Gln Ala Leu Glu Ser Glu Tyr Val Ser Ala His Leu His
 465 470 475 480

Glu Trp Ile Asp Leu Ile Phe Gly Tyr Lys Gln Arg Gly Pro Ala Ala
 485 490 495

Glu Glu Ala Leu Asn Val Phe Tyr Tyr Cys Thr Tyr Glu Gly Ala Val
 500 505 510

Asp Leu Asp His Val Thr Asp Glu Arg Glu Arg Lys Ala Leu Glu Gly
 515 520 525

Ile Ile Ser Asn Phe Gly Gln Thr Pro Cys Gln Leu Lys Glu Pro
 530 535 540

His Pro Thr Arg Leu Ser Ala Glu Glu Ala Ala His Arg Leu Ala Arg
 545 550 555 560

Leu Asp Thr Asn Ser Pro Ser Ile Phe Gln His Leu Asp Glu Leu Lys
 565 570 575

Ala Phe Phe Ala Glu Val Val Ser Asp Gly Val Pro Leu Val Leu Ala
 580 585 590

Leu Val Pro His Arg Gln Pro His Ser Phe Ile Thr Gln Gly Ser Pro
 595 600 605

Asp Leu Leu Val Thr Val Ser Ala Ser Gly Leu Leu Gly Thr His Ser
 610 615 620

Trp Leu Pro Tyr Asp Arg Asn Ile Ser Asn Tyr Phe Ser Phe Ser Lys
 625 630 635 640

Asp Pro Thr Met Gly Ser His Lys Thr Gln Arg Leu Leu Ser Gly Pro

645

650

655

Trp Val Pro Gly Ser Gly Val Ser Gly Gln Ala Leu Ala Val Ala Pro
 660 665 670

Asp Gly Lys Leu Leu Phe Ser Gly Gly His Trp Asp Gly Ser Leu Arg
 675 680 685

Val Thr Ala Leu Pro Arg Gly Lys Leu Leu Ser Gln Leu Ser Cys His
 690 695 700

Leu Asp Val Val Thr Cys Leu Ala Leu Asp Thr Cys Gly Ile Tyr Leu
 705 710 715 720

Ile Ser Gly Ser Arg Asp Thr Thr Cys Met Val Trp Arg Leu Leu His
 725 730 735

Gln Gly Gly Leu Ser Val Gly Leu Ala Pro Lys Pro Val Gln Val Leu
 740 745 750

Tyr Gly His Gly Ala Ala Val Ser Cys Val Ala Ile Ser Thr Glu Leu
 755 760 765

Asp Met Ala Val Ser Gly Ser Glu Asp Gly Thr Val Ile Ile His Thr
 770 775 780

Val Arg Arg Gly Gln Phe Val Ala Ala Leu Arg Pro Leu Gly Ala Thr
 785 790 795 800

Phe Pro Gly Pro Ile Phe His Leu Ala Leu Gly Ser Glu Gly Gln Ile
 805 810 815

Val Val Gln Ser Ser Ala Trp Glu Arg Pro Gly Ala Gln Val Thr Tyr
 820 825 830

Ser Leu His Leu Tyr Ser Val Asn Gly Lys Leu Arg Ala Ser Leu Pro
 835 840 845

Leu Ala Glu Gln Pro Thr Ala Leu Thr Val Thr Glu Asp Phe Val Leu
 850 855 860

Leu Gly Thr Ala Gln Cys Ala Leu His Ile Leu Gln Leu Asn Thr Leu
 865 870 875 880

Leu Pro Ala Ala Pro Pro Leu Pro Met Lys Val Ala Ile Arg Ser Val
 885 890 895

Ala Val Thr Lys Glu Arg Ser His Val Leu Val Gly Leu Glu Asp Gly
 900 905 910

Lys Leu Ile Val Val Val Ala Gly Gln Pro Ser Glu Val Arg Ser Ser
 915 920 925

Gln Phe Ala Arg Lys Leu Trp Arg Ser Ser Arg Arg Ile Ser Gln Val
 930 935 940

Ser Ser Gly Glu Thr Glu Tyr Asn Pro Thr Glu Ala Arg
 945 950 955

<210> 2013
<211> 57
<212> PRT
<213> Homo sapiens

<400> 2013
Met Trp Trp Glu Asp Leu Met Lys Gly Leu Phe Cys Leu Trp Pro Leu
1 5 10 15

Val Arg Ser Val Ser Ser Leu Met Thr Ser Ser Thr Ser Cys Pro Ser
20 25 30

Pro Pro Thr Leu Pro Pro Trp Arg Pro Cys Leu Pro Arg Leu Arg Met
35 40 45

Arg Val Leu Val Leu Leu Ile Trp Ser
50 55

<210> 2014
<211> 57
<212> PRT
<213> Homo sapiens

<400> 2014
Met Trp Trp Glu Asp Leu Met Lys Gly Leu Phe Cys Leu Trp Pro Leu
1 5 10 15

Val Arg Ser Val Ser Ser Leu Met Thr Ser Ser Thr Ser Cys Pro Ser
20 25 30

Pro Pro Thr Leu Pro Pro Trp Arg Pro Cys Leu Pro Arg Leu Arg Met
35 40 45

Arg Val Leu Val Leu Leu Ile Trp Ser
50 55

<210> 2015
<211> 75
<212> PRT
<213> Homo sapiens

<400> 2015
Met Asn Leu His Tyr Leu Leu Ala Val Ile Leu Ile Gly Ala Ala Gly
1 5 10 15

Val Phe Ala Phe Ile Asp Val Cys Leu Gln Arg Asn His Phe Arg Gly
20 25 30

Lys Lys Ala Lys Lys His Met Leu Val Pro Pro Pro Gly Lys Glu Lys
35 40 45

Gly Pro Gln Gln Gly Lys Gly Pro Glu Pro Ala Lys Pro Pro Glu Pro
50 55 60

Gly Lys Pro Pro Gly Pro Ala Lys Gly Lys Lys

65

70

75

<210> 2016

<211> 42

<212> PRT

<213> Homo sapiens

<400> 2016

Met	Arg	Leu	Ser	Lys	Ser	Asn	Gln	Val	Gln	Leu	Phe	Leu	Tyr	Phe	Leu
1				5					10				15		

Leu	Gln	Trp	Ser	Leu	Gly	Ser	Val	Asn	Ala	Glu	Thr	Ser	Leu	Gln	Ile
				20				25				30			

Leu	Leu	Ala	Cys	Ser	Phe	Thr	Thr	Asp	Ser						
				35			40								

<210> 2017

<211> 169

<212> PRT

<213> Homo sapiens

<400> 2017

Met	Trp	Ala	Val	Leu	Arg	Leu	Ala	Leu	Arg	Pro	Cys	Ala	Arg	Ala	Ser
1				5				10				15			

Pro	Ala	Gly	Pro	Arg	Ala	Tyr	His	Gly	Asp	Ser	Val	Ala	Ser	Leu	Gly
				20				25			30				

Thr	Gln	Pro	Asp	Leu	Gly	Ser	Ala	Leu	Tyr	Gln	Glu	Asn	Tyr	Lys	Gln
				35			40			45					

Met	Lys	Ala	Leu	Val	Asn	Gln	Leu	His	Glu	Arg	Val	Glu	His	Ile	Lys
				50			55			60					

Leu	Gly	Gly	Glu	Lys	Ala	Arg	Ala	Leu	His	Ile	Ser	Arg	Gly	Lys	
65				70				75			80				

Leu	Leu	Pro	Arg	Glu	Arg	Ile	Asp	Asn	Leu	Ile	Asp	Pro	Gly	Ser	Pro
				85				90			95				

Phe	Leu	Glu	Leu	Ser	Gln	Phe	Ala	Gly	Tyr	Gln	Leu	Tyr	Asp	Asn	Glu
				100				105			110				

Glu	Val	Pro	Gly	Gly	Ile	Ile	Thr	Gly	Ile	Gly	Arg	Val	Ser	Gly	
					115			120			125				

Val	Glu	Cys	Met	Ile	Ile	Ala	Asn	Asp	Ala	Thr	Val	Lys	Gly	Gly	Ala
				130			135			140					

Tyr	Tyr	Pro	Val	Thr	Val	Lys	Lys	Gln	Leu	Arg	Ala	Gln	Glu	Ile	Ala
145					150				155			160			

Met	Gln	Thr	Gly	Ser	Pro	Ala	Ser	Thr							
				165											

<210> 2018
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 2018
 Met Val Lys His Phe Thr Leu Trp Met Val Cys Leu Ser Leu Val Phe
 1 5 10 15
 Arg Lys Leu Leu Ser Leu Leu Pro Lys Lys Lys Glu Gly Gln Val Asn
 20 25 30
 Phe Phe Asn Gln Lys Lys Ile Thr His Phe Ile Lys Pro
 35 40 45

<210> 2019
 <211> 388
 <212> PRT
 <213> Homo sapiens

<400> 2019
 Met Met Thr Ile Thr Phe Leu Pro Tyr Thr Phe Ser Leu Met Val Thr
 1 5 10 15
 Phe Pro Asp Val Pro Leu Gly Ile Phe Leu Phe Cys Val Cys Val Ile
 20 25 30
 Ala Ile Gly Val Val Gln Ala Leu Ile Val Gly Tyr Ala Phe His Phe
 35 40 45
 Pro His Leu Leu Ser Pro Gln Ile Gln Arg Ser Ala His Arg Ala Leu
 50 55 60
 Tyr Arg Arg His Val Leu Gly Ile Val Leu Gln Gly Pro Ala Leu Cys
 65 70 75 80
 Phe Ala Ala Ala Ile Phe Ser Leu Phe Phe Val Pro Leu Ser Tyr Leu
 85 90 95
 Leu Met Val Thr Val Ile Leu Leu Pro Tyr Val Ser Lys Val Thr Gly
 100 105 110
 Trp Cys Arg Asp Arg Leu Leu Gly His Arg Glu Pro Ser Ala His Pro
 115 120 125
 Val Glu Val Phe Ser Phe Asp Leu His Glu Pro Leu Ser Lys Glu Arg
 130 135 140
 Val Glu Ala Phe Ser Asp Gly Val Tyr Ala Ile Val Ala Thr Leu Leu
 145 150 155 160
 Ile Leu Asp Ile Cys Glu Asp Asn Val Pro Asp Pro Lys Asp Val Lys
 165 170 175
 Glu Arg Phe Ser Gly Ser Leu Val Ala Ala Leu Ser Ala Thr Gly Pro
 180 185 190

Arg Phe Leu Ala Tyr Phe Gly Ser Phe Ala Thr Val Gly Leu Leu Trp
 195 200 205

Phe Ala His His Ser Leu Phe Leu His Val Arg Lys Ala Thr Arg Ala
 210 215 220

Met Gly Leu Leu Asn Thr Leu Ser Leu Ala Phe Val Gly Gly Leu Pro
 225 230 235 240

Leu Ala Tyr Gln Gln Thr Ser Ala Phe Ala Arg Gln Pro Arg Asp Glu
 245 250 255

Leu Glu Arg Val Arg Val Ser Cys Thr Ile Ile Phe Leu Ala Ser Ile
 260 265 270

Phe Gln Leu Ala Met Trp Thr Thr Ala Leu Leu His Gln Ala Glu Thr
 275 280 285

Leu Gln Pro Ser Val Trp Phe Gly Gly Arg Glu His Val Leu Met Phe
 290 295 300

Ala Lys Leu Ala Leu Tyr Pro Cys Ala Ser Leu Leu Ala Phe Ala Ser
 305 310 315 320

Thr Cys Leu Leu Ser Arg Phe Ser Val Gly Ile Phe His Leu Met Gln
 325 330 335

Ile Ala Val Pro Cys Ala Phe Leu Leu Arg Leu Leu Val Gly Leu
 340 345 350

Ala Leu Ala Thr Leu Arg Val Leu Arg Gly Leu Ala Arg Pro Glu His
 355 360 365

Pro Pro Pro Ala Pro Thr Gly Gln Asp Asp Pro Gln Ser Gln Leu Leu
 370 375 380

Pro Ala Pro Cys
 385

<210> 2020

<211> 554

<212> PRT

<213> Homo sapiens

<400> 2020

Met Gly Pro Arg Phe Thr Met Leu Leu Ala Met Trp Leu Val Cys Gly
 1 5 10 15

Ser Glu Pro His Pro His Ala Thr Ile Arg Gly Ser His Gly Gly Arg
 20 25 30

Lys Val Pro Leu Val Ser Pro Asp Ser Ser Arg Pro Ala Arg Phe Leu
 35 40 45

Arg His Thr Gly Arg Ser Arg Gly Ile Glu Arg Ser Thr Leu Glu Glu
 50 55 60

Pro Asn Leu Gln Pro Leu Gln Arg Arg Arg Ser Val Pro Val Leu Arg
 65 70 75 80
 Leu Ala Arg Pro Thr Glu Pro Pro Ala Arg Ser Asp Ile Asn Gly Ala
 85 90 95
 Ala Val Arg Pro Glu Gln Arg Pro Ala Ala Arg Gly Ser Pro Arg Glu
 100 105 110
 Met Ile Arg Asp Glu Gly Ser Ser Ala Arg Ser Arg Met Leu Arg Phe
 115 120 125
 Pro Ser Gly Ser Ser Ser Pro Asn Ile Leu Ala Ser Phe Ala Gly Lys
 130 135 140
 Asn Arg Val Trp Val Ile Ser Ala Pro His Ala Ser Glu Gly Tyr Tyr
 145 150 155 160
 Arg Leu Met Met Ser Leu Leu Lys Asp Asp Val Tyr Cys Glu Leu Ala
 165 170 175
 Glu Arg His Ile Gln Gln Ile Val Leu Phe His Gln Ala Gly Glu Glu
 180 185 190
 Gly Gly Lys Val Arg Arg Ile Thr Ser Glu Gly Gln Ile Leu Glu Gln
 195 200 205
 Pro Leu Asp Pro Ser Leu Ile Pro Lys Leu Met Ser Phe Leu Lys Leu
 210 215 220
 Glu Lys Gly Lys Phe Gly Met Val Leu Leu Lys Lys Thr Leu Gln Val
 225 230 235 240
 Glu Glu Arg Tyr Pro Tyr Pro Val Arg Leu Glu Ala Met Tyr Glu Val
 245 250 255
 Ile Asp Gln Gly Pro Ile Arg Arg Ile Glu Lys Ile Arg Gln Lys Gly
 260 265 270
 Phe Val Gln Lys Cys Lys Ala Ser Gly Val Glu Gly Gln Val Val Ala
 275 280 285
 Glu Gly Asn Asp Gly Gly Gly Ala Gly Arg Pro Ser Gln Gly Ser
 290 295 300
 Glu Lys Lys Lys Glu Asp Pro Arg Arg Ala Gln Val Pro Pro Thr Arg
 305 310 315 320
 Glu Ser Arg Val Lys Val Leu Arg Lys Leu Ala Ala Thr Ala Pro Ala
 325 330 335
 Phe Pro Gln Pro Pro Ser Thr Pro Arg Ala Thr Thr Leu Thr Pro Ala
 340 345 350
 Pro Ala Thr Thr Val Thr Arg Ser Thr Ser Arg Ala Gly Asn Arg Cys
 355 360 365
 Cys Lys Thr Tyr Asp His His Trp Leu Ser His His Ala Glu Ala Leu
 370 375 380

Asp Pro Leu Thr Leu Pro Thr Gly Pro Leu Gln Pro Leu Arg Val Ile
 385 390 395 400
 Thr Ala Arg Arg Pro Ser Val Ser Arg Glu Ser Leu Pro Ser Ile Pro
 405 410 415
 Gly Arg Ile Ser Thr Gly Arg Gly His Arg Gln Pro Gly Gly Pro Ala
 420 425 430
 Arg Pro Thr Ser Leu Glu Ser Phe Thr Asn Ala Pro Pro Thr Thr Ile
 435 440 445
 Ser Glu Pro Ser Thr Arg Ala Ala Gly Pro Gly Arg Phe Arg Asp Asn
 450 455 460
 Arg Met Asp Arg Arg Glu His Gly His Arg Asp Pro Asn Val Val Pro
 465 470 475 480
 Gly Pro Pro Lys Pro Ala Lys Glu Lys Pro Pro Lys Lys Lys Ala Gln
 485 490 495
 Asp Lys Ile Leu Ser Asn Glu Tyr Glu Glu Lys Tyr Asp Leu Ser Arg
 500 505 510
 Pro Thr Ala Ser Gln Leu Glu Asp Glu Leu Gln Val Gly Asn Val Pro
 515 520 525
 Leu Lys Lys Ala Lys Glu Ser Lys Lys His Glu Lys Leu Glu Lys Pro
 530 535 540
 Glu Lys Glu Lys Lys Lys Lys Lys Lys Lys
 545 550

<210> 2021
 <211> 509
 <212> PRT
 <213> Homo sapiens

<400> 2021
 Met Thr Trp Arg Met Gly Pro Arg Phe Thr Met Leu Leu Ala Met Trp
 1 5 10 15
 Leu Val Cys Gly Ser Glu Pro His Pro His Ala Thr Ile Arg Gly Ser
 20 25 30
 His Gly Gly Arg Lys Val Pro Leu Val Ser Pro Asp Ser Ser Arg Pro
 35 40 45
 Ala Arg Phe Leu Arg His Thr Gly Arg Ser Arg Gly Ile Glu Arg Ser
 50 55 60
 Thr Leu Glu Glu Pro Asn Leu Gln Pro Leu Gln Arg Arg Arg Ser Val
 65 70 75 80
 Pro Val Leu Arg Leu Ala Arg Pro Thr Glu Pro Pro Ala Arg Ser Asp
 85 90 95
 Ile Asn Gly Ala Ala Val Arg Pro Glu Gln Arg Pro Ala Ala Arg Gly

100	105	110
Ser Pro Arg Glu Met Ile Arg Asp Glu Gly Ser Ser Ala Arg Ser Arg		
115	120	125
Met Leu Arg Phe Pro Ser Gly Ser Ser Ser Pro Asn Ile Leu Ala Ser		
130	135	140
Phe Ala Gly Lys Asn Arg Val Trp Val Ile Ser Ala Pro His Ala Ser		
145	150	155
160		
Glu Gly Tyr Tyr Arg Leu Met Met Ser Leu Leu Lys Asp Asp Val Tyr		
165	170	175
Cys Glu Leu Ala Glu Arg His Ile Gln Gln Ile Val Leu Phe His Gln		
180	185	190
Ala Gly Glu Glu Gly Gly Lys Val Arg Arg Ile Thr Ser Glu Gly Gln		
195	200	205
Ile Leu Glu Gln Pro Leu Asp Pro Ser Leu Ile Pro Lys Leu Met Ser		
210	215	220
Phe Leu Lys Leu Glu Lys Gly Lys Phe Gly Met Val Leu Leu Lys Lys		
225	230	235
240		
Thr Leu Gln Val Glu Glu Arg Tyr Pro Tyr Pro Val Arg Leu Glu Ala		
245	250	255
Met Tyr Glu Val Ile Asp Gln Gly Pro Ile Arg Arg Ile Glu Lys Ile		
260	265	270
Arg Gln Lys Gly Phe Val Gln Lys Cys Lys Ala Ser Gly Val Glu Gly		
275	280	285
Gln Val Val Ala Glu Gly Asn Asp Gly Gly Gly Ala Gly Arg Pro		
290	295	300
Ser Leu Gly Ser Glu Lys Lys Lys Glu Asp Pro Arg Arg Ala Gln Val		
305	310	315
320		
Pro Pro Thr Arg Glu Ser Arg Val Lys Val Leu Arg Lys Leu Ala Ala		
325	330	335
Thr Ala Pro Ala Phe Pro Gln Pro Pro Ser Thr Pro Arg Ala Thr Thr		
340	345	350
Leu Pro Pro Ala Pro Ala Thr Thr Val Thr Arg Ser Thr Ser Arg Ala		
355	360	365
Val Thr Val Ala Ala Arg Pro Met Thr Thr Ala Phe Pro Thr Thr		
370	375	380
Gln Arg Pro Trp Thr Pro Ser Pro Ser His Arg Pro Pro Thr Thr Thr		
385	390	395
400		
Glu Val Ile Thr Ala Arg Arg Pro Ser Val Ser Glu Asn Leu Tyr Pro		
405	410	415
Pro Ser Arg Lys Asp Gln His Arg Glu Arg Pro Gln Thr Thr Arg Arg		

420	425	430
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Pro Ser Lys Ala Thr Ser Leu Glu Ser Phe Thr Asn Ala Pro Pro Thr	435	440
		445

Thr Ile Ser Glu Pro Ser Thr Arg Ala Ala Gly Pro Gly Arg Phe Arg	450	455
		460

Asp Asn Arg Met Asp Arg Arg Glu His Gly His Arg Asp Pro Asn Val	465	470
		475
		480

Val Pro Gly Pro Pro Lys Pro Ala Lys Glu Lys Pro Pro Lys Lys	485	490
		495

Ala Gln Asp Lys Ile Leu Ser Asn Glu Tyr Glu Glu Val	500	505

<210> 2022

<211> 264

<212> PRT

<213> Homo sapiens

<400> 2022

Met Cys Leu Leu Gly Ala Leu Val Leu Leu Gly Val Leu Leu	1	5
		10
		15

Phe Ser Gly Gly Leu Ser Glu Ser Glu Thr Gly Pro Met Glu Glu Val	20	25
		30

Glu Arg Gln Val Leu Pro Asp Pro Glu Val Leu Glu Ala Val Gly Asp	35	40
		45

Arg Gln Asp Gly Leu Arg Glu Gln Leu Gln Ala Pro Val Pro Pro Asp	50	55
		60

Ser Val Pro Ser Leu Gln Asn Met Gly Leu Leu Leu Asp Lys Leu Ala	65	70
		75
		80

Lys Glu Asn Gln Asp Ile Arg Leu Leu Gln Ala Gln Leu Gln Ala Gln	85	90
		95

Lys Glu Glu Leu Gln Ser Leu Met His Gln Pro Lys Gly Leu Glu Glu	100	105
		110

Glu Asn Ala Gln Leu Arg Gly Ala Leu Gln Gln Gly Glu Ala Phe Gln	115	120
		125

Arg Ala Leu Glu Ser Glu Leu Gln Gln Leu Arg Ala Arg Leu Gln Gly	130	135
		140

Leu Glu Ala Asp Cys Val Arg Gly Pro Asp Gly Val Cys Leu Ser Gly	145	150
		155
		160

Gly Arg Gly Pro Gln Gly Asp Lys Ala Ile Arg Glu Gln Gly Pro Arg	165	170
		175

Glu Gln Glu Pro Glu Leu Ser Phe Leu Lys Gln Lys Glu Gln Leu Glu	180	185
		190

Ala Glu Ala Gln Ala Leu Ser Leu Glu Glu Val Ala Val Gln Gln Thr
 195 200 205
 Gly Asp Asp Asp Glu Val Asp Asp Phe Glu Asp Phe Ile Phe Ser His
 210 215 220
 Phe Phe Gly Asp Lys Ala Leu Lys Lys Arg Ser Gly Lys Lys Asp Lys
 225 230 235 240
 His Ser Gln Ser Pro Arg Ala Ala Gly Pro Arg Glu Gly His Ser His
 245 250 255
 Ser His His His His Arg Gly
 260

<210> 2023

<211> 123

<212> PRT

<213> Homo sapiens

<400> 2023

Met Leu Cys Leu Ser Ser Val Val Met Phe Leu Pro Gln Pro Gly Ala
 1 5 10 15

Ala Ser Asp Pro Leu Phe Ile Trp Glu Ala Ser Cys His Ser Leu Gly
 20 25 30

Gln Asn Trp Ala Gln Gly Lys Gly Leu Ser Pro Glu Asp Gly Leu Glu
 35 40 45

Gly Leu Gly His Thr Arg Ala Trp Thr Phe Gly Ala Gly Glu Pro Gly
 50 55 60

Leu Arg Leu Leu Asn Val Arg Gly Leu Leu Thr Arg Gly Pro Ser Arg
 65 70 75 80

Gly Ser Leu Cys Pro Leu Leu Trp Ser Asp Gln Ala Leu His Leu Ser
 85 90 95

Ala Gly Pro Leu Trp Gln Arg Ser Pro Val Leu Phe Leu Leu Phe Leu
 100 105 110

Phe Leu Thr Lys Ala Cys Ala Thr Ser Cys Pro
 115 120

<210> 2024

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2024

Met Asn Cys Val Glu Trp Trp Lys Ser Val Phe Leu Phe Val Val Leu
 1 5 10 15

Leu Phe Val Thr Ser Val Ser Cys Leu Gly Val Val Gly Val Ala Val

20

25

30

Glu Gly Ser Leu Gln Ser Cys Ser Phe Tyr Ser Leu Cys Asn Lys Arg
 35 40 45

Leu Glu His Val Lys Gly Ile Phe Lys
 50 55

<210> 2025

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2025

Met Asn Cys Val Glu Trp Trp Lys Ser Val Phe Leu Phe Val Val Leu
 1 5 10 15

Leu Phe Val Thr Ser Val Ser Cys Leu Gly Val Val Gly Val Ala Val
 20 25 30

Glu Gly Ser Leu Gln Ser Cys Ser Phe Tyr Ser Leu Cys Asn Lys Arg
 35 40 45

Leu Glu His Val Lys Gly Ile Phe Lys
 50 55

<210> 2026

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2026

Met Glu Ile Arg Thr Arg Val Val Trp Leu Cys Leu Cys Leu Cys Leu
 1 5 10 15

Cys Leu Cys Leu Cys Leu Ser Leu Phe Ser Leu Pro Xaa Ser Leu Ser
 20 25 30

Pro Leu Pro Ser Pro Leu Ser Leu Ser Val Ser Leu Ser Leu Ser Phe
 35 40 45

His Gly Leu Pro Leu Met Pro Ser Arg Ser Trp Thr Val Leu Leu Pro
 50 55 60

Ser Gln Leu Thr Ala Thr Ser Leu Pro Asp Ser Pro Ala Ser Ala Cys
 65 70 75 80

Arg Val Pro Ala Ile Ala Gly Ala Arg His His Ala
 85 90

<210> 2027

<211> 82

<212> PRT

<213> Homo sapiens

<400> 2027

Met	Asn	Arg	Ser	Thr	Arg	Ser	Tyr	Arg	Cys	Trp	Ala	Thr	Trp	Pro	Arg
1															
														10	15

Leu	Gly	Trp	Ala	Leu	Pro	Cys	Cys	Met	Asn	Ser	Leu	Arg	Lys	Gly	Arg
													20	25	30

Lys	Phe	Ser	Gln	Ile	Thr	Thr	Ser	Leu	Met	Ala	Ser	Val	Ser	Ser	Ala
													35	40	45

Ser	Met	Val	Ser	Arg	Arg	Arg	Arg	Pro	Leu	Pro	Lys	His	Pro	Val	Thr
													50	55	60

Thr	Thr	Ser	Thr	Ala	Thr	Ala	Leu	Leu	Gly	Thr	Ser	Ser	Thr	Trp	Ser	
													65	70	75	80

Lys Ser

<210> 2028

<211> 46

<212> PRT

<213> Homo sapiens

<400> 2028

Met	Val	Thr	Ala	Ser	Leu	Leu	Leu	Pro	Ala	Val	Met	Ala	Ile	Val
1														
													10	15

Phe	Pro	Ile	Thr	Trp	Ala	Val	Gln	Ser	Gln	Ser	Trp	Ala	Ala	Glu	Phe
													20	25	30

Asn	Gly	Ala	Cys	Phe	Gln	Val	Leu	His	Gly	Lys	Leu	Tyr	Ser		
													35	40	45

<210> 2029

<211> 176

<212> PRT

<213> Homo sapiens

<400> 2029

Met	Ser	Arg	Gly	Asp	Asn	Cys	Thr	Asp	Leu	Leu	Ala	Leu	Gly	Ile	Pro	
1																
														5	10	15

Ser	Ile	Thr	Gln	Ala	Trp	Gly	Leu	Trp	Val	Leu	Leu	Gly	Ala	Val	Thr
													20	25	30

Leu	Leu	Phe	Ile	Ser	Leu	Ala	Ala	His	Leu	Ser	Gln	Trp	Thr	Arg	
													35	40	45

Gly Arg Ser Arg Ser His Pro Gly Gln Gly Arg Ser Gly Glu Ser Val

50

55

60

Glu Glu Val Pro Leu Tyr Gly Asn Leu His Tyr Leu Gln Thr Gly Arg
 65 70 75 80

Leu Ser Gln Asp Pro Glu Pro Asp Gln Gln Asp Pro Thr Leu Gly Gly
 85 90 95

Pro Ala Arg Ala Ala Glu Glu Val Met Cys Tyr Thr Ser Leu Gln Leu
 100 105 110

Arg Pro Pro Gln Gly Arg Ile Pro Gly Pro Gly Thr Pro Val Lys Tyr
 115 120 125

Ser Glu Val Val Leu Asp Ser Glu Pro Lys Ser Gln Ala Ser Gly Pro
 130 135 140

Glu Pro Glu Leu Tyr Ala Ser Val Cys Ala Gln Thr Arg Arg Ala Arg
 145 150 155 160

Ala Ser Phe Pro Asp Gln Ala Tyr Ala Asn Ser Gln Pro Ala Ala Ser
 165 170 175

<210> 2030

<211> 168

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2030

Met Pro Leu Leu Arg Gly Leu Leu Trp Leu Gln Val Leu Cys Ala Gly
 1 5 10 15

Pro Leu His Thr Glu Ala Val Val Leu Leu Val Pro Ser Asp Asp Gly
 20 25 30

Arg Ala Phe Leu Leu Arg Ser Arg Leu Leu His Pro Glu Ala His Val
 35 40 45

Pro Pro Ala Ala Asp Arg Gly Ala Ser Leu Gln Cys Val Leu His Gln
 50 55 60

Ala Ala Pro Lys Ser Arg Pro Arg Ser Pro Ala Ala Gly Ala Ala Leu
 65 70 75 80

Leu His Xaa Pro Arg Arg Thr Gly Asp Glu Pro Cys Arg Glu Phe His
 85 90 95

Gly Asn Gly Phe Pro Gly Pro Thr Gln Leu Thr Pro Gly Glu Cys Gly
 100 105 110

Leu Pro Ala Pro Ser Ser Leu Leu Gln His Ala Ser Ala Pro Val Arg
 115 120 125

Thr Gly Ser Glu Gly Gln Val Val Gly Cys Pro Arg Ala Arg Gly Glu
 130 135 140

Thr Gly Glu Gly Leu Ser Leu Ala Phe Leu Ser Ser Leu Met Phe Thr
 145 150 155 160

Ser Arg Asn Gly Leu Val Gly Cys
 165

<210> 2031

<211> 135

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2031

Met Pro Leu Leu Arg Gly Leu Leu Trp Leu Gln Val Leu Cys Ala Gly
 1 5 10 15Pro Leu His Thr Glu Ala Val Val Leu Leu Val Pro Ser Asp Asp Gly
 20 25 30Arg Ala Phe Leu Leu Arg Ser Arg Leu Leu His Pro Glu Ala His Val
 35 40 45Pro Pro Ala Ala Asp Arg Gly Ala Ser Leu Gln Cys Val Leu His Gln
 50 55 60Ala Ala Pro Lys Ser Arg Pro Arg Ser Pro Ala Ala Gly Ala Ala Leu
 65 70 75 80Leu His Arg Pro Arg Arg Thr Gly Asp Glu Pro Cys Arg Glu Phe His
 85 90 95Gly Asn Gly Phe Pro Gly Pro Thr Gln Leu Thr Pro Gly Glu Cys Gly
 100 105 110Leu Pro Ala Pro Ser Xaa Leu Leu Xaa His Ala Ser Ala Pro Val Arg
 115 120 125Thr Val Cys Ala Leu Thr Trp
 130 135

<210> 2032

<211> 168

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2032

Met	Pro	Leu	Leu	Arg	Gly	Leu	Leu	Trp	Leu	Gln	Val	Leu	Cys	Ala	Gly
1						5				10				15	

Pro	Leu	His	Thr	Glu	Ala	Val	Val	Leu	Leu	Val	Pro	Ser	Asp	Asp	Gly
						20				25				30	

Arg	Ala	Phe	Leu	Leu	Arg	Xaa	Arg	Leu	Leu	His	Pro	Glu	Ala	His	Val
						35				40				45	

Pro	Pro	Ala	Ala	Asp	Arg	Gly	Ala	Ser	Leu	Gln	Cys	Val	Leu	His	Gln
						50			55			60			

Ala	Ala	Pro	Lys	Ser	Arg	Pro	Arg	Ser	Pro	Ala	Ala	Gly	Ala	Ala	Leu
						65			70			75		80	

Leu	His	Arg	Pro	Arg	Arg	Thr	Gly	Asp	Glu	Pro	Cys	Arg	Glu	Phe	His
						85			90				95		

Gly	Asn	Gly	Phe	Pro	Gly	Pro	Thr	Gln	Leu	Thr	Pro	Gly	Glu	Cys	Gly
						100			105			110			

Leu	Pro	Ala	Pro	Ser	Ser	Leu	Leu	Gln	His	Ala	Ser	Ala	Pro	Val	Arg
						115			120			125			

Thr	Gly	Ser	Glu	Gly	Gln	Val	Val	Gly	Cys	Pro	Arg	Ala	Arg	Gly	Glu
						130			135			140			

Thr	Gly	Glu	Gly	Leu	Ser	Leu	Ala	Phe	Leu	Ser	Ser	Leu	Met	Phe	Thr
						145			150			155		160	

Ser	Arg	Asn	Gly	Leu	Val	Gly	Cys
				165			

<210> 2033

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2033

Met	Pro	Leu	Leu	Arg	Gly	Leu	Leu	Trp	Leu	Gln	Val	Leu	Cys	Ala	Gly
1						5				10			15		

Pro	Leu	His	Thr	Glu	Ala	Val	Val	Leu	Leu	Val	Pro	Ser	Asp	Asp	Gly

20

25

30

Arg Ala Phe Leu Leu Arg Xaa Gly Phe Phe Ile Arg Arg Arg Met Tyr
 35 40 45

Pro Pro Pro Leu Ile Glu Glu Pro Ala Phe Asn Val Ser Tyr Thr Arg
 50 55 60

Gln Pro Pro Asn Pro Gly Pro Gly Ala Gln Gln Pro Gly Pro Pro Tyr
 65 70 75 80

Tyr Thr Asp Pro Gly Gly Pro Gly Met Asn Pro Val Gly Asn Ser Met
 85 90 95

Ala Met Ala Phe Gln Val Pro Pro Asn Ser Pro Gln Gly Ser Val Ala
 100 105 110

Cys Pro Pro Pro Pro Ala Tyr Cys Asn Thr Pro Pro Pro Pro Tyr Glu
 115 120 125

Gln Val Val Lys Ala Lys
 130

<210> 2034

<211> 168

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2034

Met Pro Leu Leu Arg Gly Leu Leu Trp Leu Gln Val Leu Cys Ala Gly
 1 5 10 15

Pro Leu His Thr Glu Ala Val Val Leu Leu Val Pro Ser Asp Asp Gly
 20 25 30

Arg Ala Phe Leu Leu Arg Xaa Arg Leu Leu His Pro Glu Ala His Val
 35 40 45

Pro Pro Ala Ala Asp Arg Gly Ala Ser Leu Gln Cys Val Leu His Gln
 50 55 60

Ala Ala Pro Lys Ser Arg Pro Arg Ser Pro Ala Ala Gly Ala Ala Leu
 65 70 75 80

Leu His Arg Pro Arg Arg Thr Gly Asp Glu Pro Cys Arg Glu Phe His
 85 90 95

Gly Asn Gly Phe Pro Gly Pro Thr Gln Leu Thr Pro Gly Glu Cys Gly
 100 105 110

Leu Pro Ala Pro Ser Ser Leu Leu Gln His Ala Ser Ala Pro Val Arg
 115 120 125

Thr Gly Ser Glu Gly Gln Val Val Gly Cys Pro Arg Ala Arg Gly Glu
 130 135 140

Thr Gly Glu Gly Leu Ser Leu Ala Phe Leu Ser Ser Leu Met Phe Thr
 145 150 155 160

Ser Arg Asn Gly Leu Val Gly Cys
 165

<210> 2035

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2035

Met Pro Leu Leu Arg Gly Leu Leu Trp Leu Gln Val Leu Cys Ala Gly
 1 5 10 15

Pro Leu His Thr Glu Ala Val Val Leu Leu Val Pro Ser Asp Asp Gly
 20 25 30

Arg Ala Phe Leu Leu Arg Xaa Gly Phe Phe Ile Arg Arg Arg Met Tyr
 35 40 45

Pro Pro Pro Leu Ile Glu Glu Pro Ala Phe Asn Val Ser Tyr Thr Arg
 50 55 60

Gln Pro Pro Asn Pro Gly Pro Gly Ala Gln Gln Pro Gly Pro Pro Tyr
 65 70 75 80

Tyr Thr Asp Pro Gly Gly Pro Gly Met Asn Pro Val Gly Asn Ser Met
 85 90 95

Ala Met Ala Phe Gln Val Pro Pro Asn Ser Pro Gln Gly Ser Val Ala
 100 105 110

Cys Pro Pro Pro Pro Ala Tyr Cys Asn Thr Pro Pro Pro Pro Tyr Glu
 115 120 125

Gln Val Val Lys Ala Lys.
 130

<210> 2036

<211> 468

<212> PRT

<213> Homo sapiens

<400> 2036

Met Gly Arg Gly Trp Gly Phe Leu Phe Gly Leu Leu Gly Ala Val Trp
 1 5 10 15

Leu Leu Ser Ser Gly His Gly Glu Glu Gln Pro Pro Glu Thr Ala Ala
 20 25 30

Gln Arg Cys Phe Cys Gln Val Ser Gly Tyr Leu Asp Asp Cys Thr Cys
 35 40 45

Asp Val Glu Thr Ile Asp Arg Phe Asn Asn Tyr Arg Leu Phe Pro Arg
 50 55 60

Leu Gln Lys Leu Leu Glu Ser Asp Tyr Phe Arg Tyr Tyr Lys Val Asn
 65 70 75 80

Leu Lys Arg Pro Cys Pro Phe Trp Asn Asp Ile Ser Gln Cys Gly Arg
 85 90 95

Arg Asp Cys Ala Val Lys Pro Cys Gln Ser Asp Glu Val Pro Asp Gly
 100 105 110

Ile Lys Ser Ala Ser Tyr Lys Tyr Ser Glu Glu Ala Asn Asn Leu Ile
 115 120 125

Glu Glu Cys Glu Gln Ala Glu Arg Leu Gly Ala Val Asp Glu Ser Leu
 130 135 140

Ser Glu Glu Thr Gln Lys Ala Val Leu Gln Trp Thr Lys His Asp Asp
 145 150 155 160

Ser Ser Asp Asn Phe Cys Glu Ala Asp Asp Ile Gln Ser Pro Glu Ala
 165 170 175

Glu Tyr Val Asp Leu Leu Leu Asn Pro Glu Arg Tyr Thr Gly Tyr Lys
 180 185 190

Gly Pro Asp Ala Trp Lys Ile Trp Asn Val Ile Tyr Glu Glu Asn Cys
 195 200 205

Phe Lys Pro Gln Thr Ile Lys Arg Pro Leu Asn Pro Leu Ala Ser Gly
 210 215 220

Gln Gly Thr Ser Glu Glu Asn Thr Phe Tyr Ser Trp Leu Glu Gly Leu
 225 230 235 240

Cys Val Glu Lys Arg Ala Phe Tyr Arg Leu Ile Ser Gly Leu His Ala
 245 250 255

Ser Ile Asn Val His Leu Ser Ala Arg Tyr Leu Leu Gln Glu Thr Trp
 260 265 270

Leu Glu Lys Lys Trp Gly His Asn Ile Thr Glu Phe Gln Gln Arg Phe
 275 280 285

Asp Gly Ile Leu Thr Glu Gly Glu Gly Pro Arg Arg Leu Lys Asn Leu
 290 295 300

Tyr Phe Leu Tyr Leu Ile Glu Leu Arg Ala Leu Ser Lys Val Leu Pro
 305 310 315 320

Phe Phe Glu Arg Pro Asp Phe Gln Leu Phe Thr Gly Asn Lys Ile Gln
 325 330 335

Asp Glu Glu Asn Lys Met Leu Leu Leu Glu Ile Leu His Glu Ile Lys
 340 345 350
 Ser Phe Pro Leu His Phe Asp Glu Asn Ser Phe Phe Ala Gly Asp Lys
 355 360 365
 Lys Glu Ala His Lys Leu Lys Glu Asp Phe Arg Leu His Phe Arg Asn
 370 375 380
 Ile Ser Arg Ile Met Asp Cys Val Gly Cys Phe Lys Cys Arg Leu Trp
 385 390 395 400
 Gly Lys Leu Gln Thr Gln Gly Leu Gly Thr Ala Leu Lys Ile Leu Phe
 405 410 415
 Ser Glu Lys Leu Ile Ala Asn Met Pro Glu Ser Gly Pro Ser Tyr Glu
 420 425 430
 Phe His Leu Thr Arg Gln Glu Ile Val Ser Leu Phe Asn Ala Phe Gly
 435 440 445
 Arg Ile Ser Thr Ser Val Lys Glu Leu Glu Asn Phe Arg Asn Leu Leu
 450 455 460
 Gln Asn Ile His
 465

<210> 2037

<211> 314

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (227)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2037

Met Leu Leu Ala Gln Gly Leu Ile Leu His Phe Leu Gly Arg Ala Trp
 1 5 10 15

Thr Trp Pro Asp Ala Leu Asn Ile Glu Asn Ser Asp Ser Glu Ser Trp
 20 25 30

Thr Ser His Thr Val Lys Lys Phe Thr Ala Ser Phe Glu Ala Ser Leu
 35 40 45

Ser Gly Glu Arg Glu Phe Lys Thr Pro Thr Ile Ser Leu Lys Glu Thr
 50 55 60

Ile Gly Lys Tyr Ser Asp Asp His Glu Met Arg Asn Glu Val Tyr His
 65 70 75 80

Arg Lys Ile Ile Ser Trp Phe Gly Asp Ser Pro Leu Ala Leu Phe Gly
 85 90 95

Leu His Gln Leu Ile Glu Tyr Gly Lys Lys Ser Gly Lys Lys Ala Gly
 100 105 110

Asp Trp Tyr Gly Pro Ala Val Val Ala His Ile Leu Arg Lys Ala Val
 115 120 125
 Glu Glu Ala Arg His Pro Asp Leu Gln Gly Ile Thr Ile Tyr Val Ala
 130 135 140
 Gln Asp Cys Thr Val Pro Val Arg Leu Gly Gly Glu Arg Thr Asn Thr
 145 150 155 160
 Asp Tyr Leu Glu Phe Val Lys Gly Ile Leu Ser Leu Glu Tyr Cys Val
 165 170 175
 Gly Ile Ile Gly Gly Lys Pro Lys Gln Ser Tyr Tyr Phe Ala Gly Phe
 180 185 190
 Gln Asp Asp Ser Leu Ile Tyr Met Asp Pro His Tyr Cys Gln Ser Phe
 195 200 205
 Val Asp Val Ser Ile Lys Asp Phe Pro Leu Glu Thr Phe His Cys Pro
 210 215 220
 Ser Pro Xaa Lys Met Ser Phe Arg Lys Met Asp Pro Ser Cys Thr Ile
 225 230 235 240
 Gly Phe Tyr Cys Arg Asn Val Gln Asp Phe Lys Arg Ala Ser Glu Glu
 245 250 255
 Ile Thr Lys Met Leu Lys Phe Ser Ser Lys Glu Lys Tyr Pro Leu Phe
 260 265 270
 Thr Phe Val Asn Gly His Ser Arg Asp Tyr Asp Phe Thr Ser Thr Thr
 275 280 285
 Thr Asn Glu Glu Asp Leu Phe Ser Glu Asp Glu Lys Lys Gln Leu Lys
 290 295 300
 Arg Phe Ser Thr Glu Glu Phe Val Leu Leu
 305 310

<210> 2038
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 2038
 Met Arg Trp Leu Phe Val Leu Met Leu Ser Leu Pro Leu Pro Pro Thr
 1 5 10 15
 Pro Arg Gln Gly Pro Ala Cys Asp Val Pro Leu Pro Val Ser His Val
 20 25 30
 Phe Ser Leu Phe Asn Ser His Leu Gly Ala Arg Thr Cys Gly Val Trp
 35 40 45
 Phe Ser Leu Pro Val Ser Val Cys
 50 55

<210> 2039

<211> 414

<212> PRT

<213> Homo sapiens

<400> 2039

Met Lys Ala Gln Thr Ala Leu Ser Phe Phe Leu Ile Leu Ile Thr Ser
1 5 10 15

Leu Ser Gly Ser Gln Gly Ile Phe Pro Leu Ala Phe Phe Ile Tyr Val
20 25 30

Pro Met Asn Glu Gln Ile Val Ile Gly Arg Leu Asp Glu Asp Ile Ile
35 40 45

Leu Pro Ser Ser Phe Glu Arg Gly Ser Glu Val Val Ile His Trp Lys
50 55 60

Tyr Gln Asp Ser Tyr Lys Val His Ser Tyr Tyr Lys Gly Ser Asp His
65 70 75 80

Leu Glu Ser Gln Asp Pro Arg Tyr Ala Asn Arg Thr Ser Leu Phe Tyr
85 90 95

Asn Glu Ile Gln Asn Gly Asn Ala Ser Leu Phe Phe Arg Arg Val Ser
100 105 110

Leu Leu Asp Glu Gly Ile Tyr Thr Cys Tyr Val Gly Thr Ala Ile Gln
115 120 125

Val Ile Thr Asn Lys Val Val Leu Lys Val Gly Val Phe Leu Thr Pro
130 135 140

Val Met Lys Tyr Glu Lys Arg Asn Thr Asn Ser Phe Leu Ile Cys Ser
145 150 155 160

Val Leu Ser Val Tyr Pro Arg Pro Ile Ile Thr Trp Lys Met Asp Asn
165 170 175

Thr Pro Ile Ser Glu Asn Asn Met Glu Glu Thr Gly Ser Leu Asp Ser
180 185 190

Phe Ser Ile Asn Ser Pro Leu Asn Ile Thr Gly Ser Asn Ser Ser Tyr
195 200 205

Glu Cys Thr Ile Glu Asn Ser Leu Leu Lys Gln Thr Trp Thr Gly Arg
210 215 220

Trp Thr Met Lys Asp Gly Leu His Lys Met Gln Ser Glu His Val Ser
225 230 235 240

Leu Ser Cys Gln Pro Val Asn Asp Tyr Phe Ser Pro Asn Gln Asp Phe
245 250 255

Lys Val Thr Trp Ser Arg Met Lys Ser Gly Thr Phe Ser Val Leu Ala
260 265 270

Tyr Tyr Leu Ser Ser Gln Asn Thr Ile Ile Asn Glu Ser Arg Phe

275	280	285
Ser Trp Asn Lys Glu Leu Ile Asn Gln Ser Asp Phe Ser Met Asn Leu		
290	295	300
Met Asp Leu Asn Leu Ser Asp Ser Gly Glu Tyr Leu Cys Asn Ile Ser		
305	310	315
320		
Ser Asp Glu Tyr Thr Leu Leu Thr Ile His Thr Val His Val Glu Pro		
325	330	335
Ser Gln Glu Thr Ala Ser His Asn Lys Gly Leu Trp Ile Leu Val Pro		
340	345	350
Ser Ala Ile Leu Ala Ala Phe Leu Leu Ile Trp Arg Val Lys Cys Cys		
355	360	365
Arg Ala Gln Leu Glu Ala Arg Arg Ser Arg His Pro Ala Asp Gly Ala		
370	375	380
Gln Gln Glu Arg Cys Cys Val Pro Pro Gly Glu Arg Cys Pro Ser Ala		
385	390	395
400		
Pro Asp Asn Gly Glu Glu Asn Val Pro Leu Ser Gly Lys Val		
405	410	

Ser Glu Glu Val Arg Gln Thr Cys Gly Tyr Thr Ser Gly Gln Phe Asp
 145 150 155 160
 Leu Gly Lys Cys Glu Ile Gly Trp Ala Tyr Tyr Cys Thr Gly Ala Gly
 165 170 175
 Ala Thr Ala Ala Met Leu Leu Cys Thr Trp Leu Ala Cys Phe Ser Gly
 180 185 190
 Lys Lys Gln Lys His Tyr Pro Tyr
 195 200

<210> 2041

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2041

Met Ile Gly Met Ser Thr Lys Ala Val Leu Trp Arg Cys Phe Ser Thr
 1 5 10 15

Val Val Ile Phe Leu Phe Leu Leu Asp Glu Gln Thr Ser Leu Leu Val
 20 25 30

Leu Val Pro Ala Gly Val Gly Ala Ala Ile Glu Leu Trp Lys Val Lys
 35 40 45

Lys Ala Leu Lys Met Thr Ile Phe Trp Arg Gly Leu Met Pro Glu Phe
 50 55 60

Gln Phe Gly Thr Tyr Ser Glu Ser Glu Arg Lys Thr Glu Glu Tyr Asp
 65 70 75 80

Thr Gln Ala Met Lys Tyr Leu Ser Tyr Leu Leu Tyr Pro Leu Cys Val
 85 90 95

Gly Gly Ala Val Tyr Ser Leu Leu Asn Ile Lys Tyr Lys Ser Trp Tyr
 100 105 110

Ser Trp Leu Ile Asn Ser Phe Val Asn Gly Val Tyr Ala Phe Gly Phe
 115 120 125

Leu Phe Met Leu Pro Gln Leu Phe Val Asn Tyr Lys Val Arg Arg Cys
 130 135 140

Val Leu Pro Ala Ala Arg Pro Pro Ser Pro Val Leu Pro Thr Ala Asp
 145 150 155 160

Leu Gly Leu Ser Leu Leu Phe Gln Leu Lys Ser Val Ala His Leu Pro
 165 170 175

Trp Lys Ala Phe Thr Tyr Lys Ala Phe Asn Thr Phe Ile Asp Asp Val
 180 185 190

Phe Ala Phe Ile Ile Thr Met Pro Thr Ser His Arg Leu Ala Cys Phe
 195 200 205

Arg Asp Asp Val Val Phe Leu Val Tyr Leu Tyr Gln Arg Trp Leu Tyr
 210 215 220
 Pro Val Asp Lys Arg Arg Val Asn Glu Phe Gly Glu Ser Tyr Glu Glu
 225 230 235 240
 Lys Ala Thr Arg Ala Pro His Thr Asp
 245

<210> 2042

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2042

Met Ile Gly Met Ser Thr Lys Ala Val Leu Trp Arg Cys Phe Ser Thr
 1 5 10 15

Val Val Ile Phe Leu Phe Leu Leu Asp Glu Gln Thr Ser Leu Leu Val
 20 25 30

Leu Val Pro Ala Gly Val Gly Ala Ala Ile Glu Leu Trp Lys Val Lys
 35 40 45

Lys Ala Leu Lys Met Thr Ile Phe Trp Arg Gly Leu Met Pro Glu Phe
 50 55 60

Gln Phe Gly Thr Tyr Ser Glu Ser Glu Arg Lys Thr Glu Glu Tyr Asp
 65 70 75 80

Thr Gln Ala Met Lys Tyr Leu Ser Tyr Leu Leu Tyr Pro Leu Cys Val
 85 90 95

Gly Gly Ala Val Tyr Ser Leu Leu Asn Ile Lys Tyr Lys Ser Trp Tyr
 100 105 110

Ser Trp Leu Ile Asn Ser Phe Val Asn Gly Val Tyr Ala Phe Gly Phe
 115 120 125

Leu Phe Met Leu Pro Gln Leu Phe Val Asn Tyr Lys Val Arg Arg Cys
 130 135 140

Val Leu Pro Ala Ala Arg Pro Pro Ser Pro Val Leu Pro Thr Ala Asp
 145 150 155 160

Leu Gly Leu Ser Leu Leu Phe Gln Leu Lys Ser Val Ala His Leu Pro
 165 170 175

Trp Lys Ala Phe Thr Tyr Lys Ala Phe Asn Thr Phe Ile Asp Asp Val
 180 185 190

Phe Ala Phe Ile Ile Thr Met Pro Thr Ser His Arg Leu Ala Cys Phe
 195 200 205

Arg Asp Asp Val Val Phe Leu Val Tyr Leu Tyr Gln Arg Trp Leu Tyr
 210 215 220

Pro Val Asp Lys Arg Arg Val Asn Glu Phe Gly Glu Ser Tyr Glu Glu

225

230

235

240

Lys Ala Thr Arg Ala Pro His Thr Asp
 245

<210> 2043

<211> 60

<212> PRT

<213> Homo sapiens

<400> 2043

Met Ser Pro Thr Gly Leu Leu Val Val Phe Ala Pro Val Val Leu Gly
 1 5 10 15

Leu Lys Ala Ile Thr Leu Ala Ala Leu Leu Leu Ala Leu Ala Thr Ser
 20 25 30

Arg Arg Ser Pro Gly Gln Glu Asp Val Lys Thr Thr Gly Pro Ala Gly
 35 40 45

Ala Met Asn Thr Leu Ala Trp Ser Lys Gly Gln Glu
 50 55 60

<210> 2044

<211> 60

<212> PRT

<213> Homo sapiens

<400> 2044

Met Ser Pro Thr Gly Leu Leu Val Val Phe Ala Pro Val Val Leu Gly
 1 5 10 15

Leu Lys Ala Ile Thr Leu Ala Ala Leu Leu Leu Ala Leu Ala Thr Ser
 20 25 30

Arg Arg Ser Pro Gly Gln Glu Asp Val Lys Thr Thr Gly Pro Ala Gly
 35 40 45

Ala Met Asn Thr Leu Ala Trp Ser Lys Gly Gln Glu
 50 55 60

<210> 2045

<211> 310

<212> PRT

<213> Homo sapiens

<400> 2045

Met Ala Leu Arg Arg Pro Pro Arg Leu Arg Leu Cys Ala Arg Leu Pro
 1 5 10 15

Asp Phe Phe Leu Leu Leu Leu Phe Arg Gly Cys Leu Ile Gly Ala Val
 20 25 30

Asn Leu Lys Ser Ser Asn Arg Thr Pro Val Val Gln Glu Phe Glu Ser

35	40	45
Val Glu Leu Ser Cys Ile Ile Thr Asp Ser Gln Thr Ser Asp Pro Arg		
50	55	60
Ile Glu Trp Lys Lys Ile Gln Asp Glu Gln Thr Thr Tyr Val Phe Phe		
65	70	75
Asp Asn Lys Ile Gln Gly Asp Leu Ala Gly Arg Ala Glu Ile Leu Gly		
85	90	95
Lys Thr Ser Leu Lys Ile Trp Asn Val Thr Arg Arg Asp Ser Ala Leu		
100	105	110
Tyr Arg Cys Glu Val Val Ala Arg Asn Asp Arg Lys Glu Ile Asp Glu		
115	120	125
Ile Val Ile Glu Leu Thr Val Gln Val Lys Pro Val Thr Pro Val Cys		
130	135	140
Arg Val Pro Lys Ala Val Pro Val Gly Lys Met Ala Thr Leu His Cys		
145	150	155
Gln Glu Ser Glu Gly His Pro Arg Pro His Tyr Ser Trp Tyr Arg Asn		
165	170	175
Asp Val Pro Leu Pro Thr Asp Ser Arg Ala Asn Pro Arg Phe Arg Asn		
180	185	190
Ser Ser Phe His Leu Asn Ser Glu Thr Gly Thr Leu Val Phe Thr Ala		
195	200	205
Val His Lys Asp Asp Ser Gly Gln Tyr Tyr Cys Ile Ala Ser Asn Asp		
210	215	220
Ala Gly Ser Ala Arg Cys Glu Glu Gln Glu Met Glu Val Tyr Asp Leu		
225	230	235
Asn Ile Gly Gly Ile Ile Gly Gly Val Leu Val Val Leu Ala Val Leu		
245	250	255
Ala Leu Ile Thr Leu Gly Ile Cys Cys Ala Tyr Arg Arg Gly Tyr Phe		
260	265	270
Ile Asn Asn Lys Gln Asp Gly Glu Ser Tyr Lys Asn Pro Gly Lys Pro		
275	280	285
Asp Gly Val Asn Tyr Ile Arg Thr Asp Glu Glu Gly Asp Phe Arg His		
290	295	300
Lys Ser Ser Phe Val Ile		
305	310	

<210> 2046
 <211> 310
 <212> PRT
 <213> Homo sapiens

<400> 2046

Met Ala Leu Arg Arg Pro Pro Arg Leu Arg Leu Cys Ala Arg Leu Pro		
1	5	10
		15

Asp Phe Phe Leu Leu Leu Phe Arg Gly Cys Leu Ile Gly Ala Val		
20	25	30

Asn Leu Lys Ser Ser Asn Arg Thr Pro Val Val Gln Glu Phe Glu Ser		
35	40	45

Val Glu Leu Ser Cys Ile Ile Thr Asp Ser Gln Thr Ser Asp Pro Arg		
50	55	60

Ile Glu Trp Lys Lys Ile Gln Asp Glu Gln Thr Thr Tyr Val Phe Phe		
65	70	75
		80

Asp Asn Lys Ile Gln Gly Asp Leu Ala Gly Arg Ala Glu Ile Leu Gly		
85	90	95

Lys Thr Ser Leu Lys Ile Trp Asn Val Thr Arg Arg Asp Ser Ala Leu		
100	105	110

Tyr Arg Cys Glu Val Val Ala Arg Asn Asp Arg Lys Glu Ile Asp Glu		
115	120	125

Ile Val Ile Glu Leu Thr Val Gln Val Lys Pro Val Thr Pro Val Cys		
130	135	140

Arg Val Pro Lys Ala Val Pro Val Gly Lys Met Ala Thr Leu His Cys		
145	150	155
		160

Gln Glu Ser Glu Gly His Pro Arg Pro His Tyr Ser Trp Tyr Arg Asn		
165	170	175

Asp Val Pro Leu Pro Thr Asp Ser Arg Ala Asn Pro Arg Phe Arg Asn		
180	185	190

Ser Ser Phe His Leu Asn Ser Glu Thr Gly Thr Leu Val Phe Thr Ala		
195	200	205

Val His Lys Asp Asp Ser Gly Gln Tyr Tyr Cys Ile Ala Ser Asn Asp		
210	215	220

Ala Gly Ser Ala Arg Cys Glu Glu Gln Glu Met Glu Val Tyr Asp Leu		
225	230	235
		240

Asn Ile Gly Gly Ile Ile Gly Gly Val Leu Val Val Leu Ala Val Leu		
245	250	255

Ala Leu Ile Thr Leu Gly Ile Cys Cys Ala Tyr Arg Arg Gly Tyr Phe		
260	265	270

Ile Asn Asn Lys Gln Asp Gly Glu Ser Tyr Lys Asn Pro Gly Lys Pro		
275	280	285

Asp Gly Val Asn Tyr Ile Arg Thr Asp Glu Glu Gly Asp Phe Arg His		
290	295	300

Lys Ser Ser Phe Val Ile		
305	310	

<210> 2047

<211> 310

<212> PRT

<213> Homo sapiens

<400> 2047

Met	Ala	Leu	Arg	Arg	Pro	Pro	Arg	Leu	Arg	Leu	Cys	Ala	Arg	Leu	Pro
1					5				10					15	

Asp	Phe	Phe	Leu	Leu	Leu	Phe	Arg	Gly	Cys	Leu	Ile	Gly	Ala	Val
														30
			20				25							

Asn	Leu	Lys	Ser	Ser	Asn	Arg	Thr	Pro	Val	Val	Gln	Glu	Phe	Glu	Ser
														45	
								35	40						

Val	Glu	Leu	Ser	Cys	Ile	Ile	Thr	Asp	Ser	Gln	Thr	Ser	Asp	Pro	Arg
														50	
								55						60	

Ile	Glu	Trp	Lys	Lys	Ile	Gln	Asp	Glu	Gln	Thr	Thr	Tyr	Val	Phe	Phe
														65	
								70		75				80	

Asp	Asn	Lys	Ile	Gln	Gly	Asp	Leu	Ala	Gly	Arg	Ala	Glu	Ile	Leu	Gly
														85	
								90						95	

Lys	Thr	Ser	Leu	Lys	Ile	Trp	Asn	Val	Thr	Arg	Arg	Asp	Ser	Ala	Leu
														100	
									105					110	

Tyr	Arg	Cys	Glu	Val	Val	Ala	Arg	Asn	Asp	Arg	Lys	Glu	Ile	Asp	Glu
														115	
								120						125	

Ile	Val	Ile	Glu	Leu	Thr	Val	Gln	Val	Lys	Pro	Val	Thr	Pro	Val	Cys
														130	
								135			140				

Arg	Val	Pro	Lys	Ala	Val	Pro	Val	Gly	Lys	Met	Ala	Thr	Leu	His	Cys
														145	
								150		155				160	

Gln	Glu	Ser	Glu	Gly	His	Pro	Arg	Pro	His	Tyr	Ser	Trp	Tyr	Arg	Asn
														165	
									170					175	

Asp	Val	Pro	Leu	Pro	Thr	Asp	Ser	Arg	Ala	Asn	Pro	Arg	Phe	Arg	Asn
														180	
								185				190			

Ser	Ser	Phe	His	Leu	Asn	Ser	Glu	Thr	Gly	Thr	Leu	Val	Phe	Thr	Ala
														195	
								200			205				

Val	His	Lys	Asp	Asp	Ser	Gly	Gln	Tyr	Tyr	Cys	Ile	Ala	Ser	Asn	Asp
														210	
								215			220				

Ala	Gly	Ser	Ala	Arg	Cys	Glu	Glu	Gln	Met	Glu	Val	Tyr	Asp	Leu	
														225	
								230		235				240	

Asn	Ile	Gly	Gly	Ile	Ile	Gly	Gly	Val	Leu	Val	Val	Leu	Ala	Val	Leu
														245	
									250					255	

Ala	Leu	Ile	Thr	Leu	Gly	Ile	Cys	Cys	Ala	Tyr	Arg	Arg	Gly	Tyr	Phe
														260	
									265					270	

Ile Asn Asn Lys Gln Asp Gly Glu Ser Tyr Lys Asn Pro Gly Lys Pro
 275 280 285
 Asp Gly Val Asn Tyr Ile Arg Thr Asp Glu Glu Gly Asp Phe Arg His
 290 295 300
 Lys Ser Ser Phe Val Ile
 305 310

<210> 2048
<211> 148
<212> PRT
<213> Homo sapiens

<400> 2048
Met His Met Leu Asn Gly Ala Leu Leu Ala Leu Leu Phe Pro Val Val
 1 5 10 15

Asn Thr Arg Leu Leu Pro Phe Glu Leu Glu Ile Tyr Tyr Ile Gln His
 20 25 30

Val Met Leu Tyr Val Val Pro Ile Tyr Leu Leu Trp Lys Gly Gly Ala
 35 40 45

Tyr Thr Pro Glu Pro Leu Ser Ser Phe Arg Trp Ala Leu Leu Ser Thr
 50 55 60

Gly Leu Met Phe Phe Tyr His Phe Ser Val Leu Gln Ile Leu Gly Leu
 65 70 75 80

Val Thr Glu Val Asn Leu Asn Asn Met Leu Cys Pro Ala Ile Ser Asp
 85 90 95

Pro Phe Tyr Gly Pro Trp Tyr Arg Ile Trp Ala Ser Gly His Gln Thr
 100 105 110

Leu Met Thr Met Thr His Gly Lys Leu Val Ile Leu Phe Ser Tyr Met
 115 120 125

Ala Gly Pro Leu Cys Lys Tyr Leu Leu Asp Leu Leu Arg Leu Pro Ala
 130 135 140

Lys Lys Ile Asp
 145

<210> 2049
<211> 413
<212> PRT
<213> Homo sapiens

<400> 2049
Met Leu Lys Ala Leu Phe Leu Thr Met Leu Thr Leu Ala Leu Val Lys
 1 5 10 15

Ser Gln Asp Thr Glu Glu Thr Ile Thr Tyr Thr Gln Cys Thr Asp Gly
 20 25 30

Tyr Glu Trp Asp Pro Val Arg Gln Gln Cys Lys Asp Ile Asp Glu Cys
 35 40 45

Asp Ile Val Pro Asp Ala Cys Lys Gly Gly Met Lys Cys Val Asn His
 50 55 60

Tyr Gly Gly Tyr Leu Cys Leu Pro Lys Thr Ala Gln Ile Ile Val Asn
 65 70 75 80

Asn Glu Gln Pro Gln Gln Glu Thr Gln Pro Ala Glu Gly Thr Ser Gly
 85 90 95

Ala Thr Thr Gly Val Val Ala Ala Ser Ser Met Ala Thr Ser Gly Val
 100 105 110

Leu Pro Gly Gly Phe Val Ala Ser Ala Ala Val Ala Gly Pro
 115 120 125

Glu Met Gln Thr Gly Arg Asn Asn Phe Val Ile Arg Arg Asn Pro Ala
 130 135 140

Asp Pro Gln Arg Ile Pro Ser Asn Pro Ser His Arg Ile Gln Cys Ala
 145 150 155 160

Ala Gly Tyr Glu Gln Ser Glu His Asn Val Cys Gln Asp Ile Asp Glu
 165 170 175

Cys Thr Ala Gly Thr His Asn Cys Arg Ala Asp Gln Val Cys Ile Asn
 180 185 190

Leu Arg Gly Ser Phe Ala Cys Gln Cys Pro Pro Gly Tyr Gln Lys Arg
 195 200 205

Gly Glu Gln Cys Val Asp Ile Asp Glu Cys Arg Thr Ser Ser Tyr Leu
 210 215 220

Cys Gln Tyr Gln Cys Val Asn Glu Pro Gly Lys Phe Ser Cys Met Cys
 225 230 235 240

Pro Gln Gly Tyr Gln Val Val Arg Ser Arg Thr Cys Gln Asp Ile Asn
 245 250 255

Glu Cys Glu Thr Thr Asn Glu Cys Arg Glu Asp Glu Met Cys Trp Asn
 260 265 270

Tyr His Gly Phe Arg Cys Tyr Pro Arg Asn Pro Cys Gln Asp Pro
 275 280 285

Tyr Ile Leu Thr Pro Glu Asn Arg Cys Val Cys Pro Val Ser Asn Ala
 290 295 300

Met Cys Arg Glu Leu Pro Gln Ser Ile Val Tyr Lys Tyr Met Ser Ile
 305 310 315 320

Arg Ser Asp Arg Ser Val Pro Ser Asp Ile Phe Gln Ile Gln Ala Thr
 325 330 335

Thr Ile Tyr Ala Asn Thr Ile Asn Thr Phe Arg Ile Lys Ser Gly Asn
 340 345 350

Glu Asn Gly Glu Phe Tyr Leu Arg Gln Thr Ser Pro Val Ser Ala Met
 355 360 365

Leu Val Leu Val Lys Ser Leu Ser Gly Pro Arg Glu His Ile Val Asp
370 375 380

Leu Glu Met Leu Thr Val Ser Ser Ile Gly Thr Phe Arg Thr Ser Ser
385 390 395 400

Val Leu Arg Leu Thr Ile Ile Val Gly Pro Phe Ser Phe
405 410

<210> 2050

<211> 683

<212> PRT

<213> Homo sapiens

<400> 2050

Met Leu Phe Ile Phe Asn Phe Leu Phe Ser Pro Leu Pro Thr Pro Ala
1 5 10 15

Leu Ile Cys Ile Leu Thr Phe Gly Ala Ala Ile Phe Leu Trp Leu Ile
.....
..... 20 25 30

Thr Arg Pro Gln Pro Val Leu Pro Leu Leu Asp Leu Asn Asn Gln Ser
35 40 45

Val Gly Ile Glu Gly Gly Ala Arg Lys Gly Val Ser Gln Lys Asn Asn
 50 55 60 .

Asp Leu Thr Ser Cys Cys Phe Ser Asp Ala Lys Thr Met Tyr Glu Val
65 70 75 80

Phe Gln Arg Gly Leu Ala Val Ser Asp Asn Gly Pro Cys Leu Gly Tyr
85 90 95

Arg Lys Pro Asn Gln Pro Tyr Arg Trp Leu Ser Tyr Lys Gln Val Ser
100 105 110

Asp Arg Ala Glu Tyr Leu Gly Ser Cys Leu Leu His Lys Gly Tyr Lys
 115 120 125

Ser Ser Pro Asp Gln Phe Val Gly Ile Phe Ala Gln Asn Arg Pro Glu
130 135 140

Trp Ile Ile Ser Glu Leu Ala Cys Tyr Thr Tyr Ser Met Val Ala Val
145 150 155 160

Pro Leu Tyr Asp Thr Leu Gly Pro Glu Ala Ile Val His Ile Val Asn
165 . 170 175

Lys Ala Asp Ile Ala Met Val Ile Cys Asp Thr Pro Gln Lys Ala Leu
180 185 190

Val Leu Ile Gly Asn Val Glu Lys Gly Phe Thr Pro Ser Leu Lys Val
195 200 205

Ile Ile Leu Met Asp Pro Phe Asp Asp Asp Leu Lys Gln Arg Gly Glu
210 215 220

Lys Ser Gly Ile Glu Ile Leu Ser Leu Tyr Asp Ala Glu Asn Leu Gly
225 230 235 240

Lys Glu His Phe Arg Lys Pro Val Pro Pro Ser Pro Glu Asp Leu Ser
245 250 255

Val Ile Cys Phe Thr Ser Gly Thr Gly Asp Pro Lys Gly Ala Met
260 265 270

Ile Thr His Gln Asn Ile Val Ser Asn Ala Ala Ala Phe Leu Lys Cys
275 280 285

Val Glu His Ala Tyr Glu Pro Thr Pro Asp Asp Val Ala Ile Ser Tyr
290 295 300

Leu Pro Leu Ala His Met Phe Glu Arg Ile Val Gln Ala Val Val Tyr
305 310 315 320

Ser Cys Gly Ala Arg Val Gly Phe Phe Gln Gly Asp Ile Arg Leu Leu
325 330 335

Ala Asp Asp Met Lys Thr Leu Lys Pro Thr Leu Phe Pro Ala Val Pro
340 345 350

Arg Leu Leu Asn Arg Ile Tyr Asp Lys Val Gln Asn Glu Ala Lys Thr
355 360 365

Pro Leu Lys Lys Phe Leu Leu Lys Leu Ala Val Ser Ser Lys Phe Lys
370 375 380

Glu Leu Gln Lys Gly Ile Ile Arg His Asp Ser Phe Trp Asp Lys Leu
385 390 395 400

Ile Phe Ala Lys Ile Gln Asp Ser Leu Gly Gly Arg Val Arg Val Ile
405 410 415

Val Thr Gly Ala Ala Pro Met Ser Thr Ser Val Met Thr Phe Phe Arg
420 425 430

Ala Ala Met Gly Cys Gln Val Tyr Glu Ala Tyr Gly Gln Thr Glu Cys
435 440 445

Thr Gly Gly Cys Thr Phe Thr Leu Pro Gly Asp Trp Thr Ser Gly His
450 455 460

Val Gly Val Pro Leu Ala Cys Asn Tyr Val Lys Leu Glu Asp Val Ala
465 470 475 480

Asp Met Asn Tyr Phe Thr Val Asn Asn Glu Gly Glu Val Cys Ile Lys
485 490 495

Gly Thr Asn Val Phe Lys Gly Tyr Leu Lys Asp Pro Glu Lys Thr Gln
500 505 510

Glu Ala Leu Asp Ser Asp Gly Trp Leu His Thr Gly Asp Ile Gly Arg
515 520 525

Trp Leu Pro Asn Gly Thr Leu Lys Ile Ile Asp Arg Lys Lys Asn Ile
 530 535 540
 Phe Lys Leu Ala Gln Gly Glu Tyr Ile Ala Pro Glu Lys Ile Glu Asn
 545 550 555 560
 Ile Tyr Asn Arg Ser Gln Pro Val Leu Gln Ile Phe Val His Gly Glu
 565 570 575
 Ser Leu Arg Ser Ser Leu Val Gly Val Val Val Pro Asp Thr Asp Val
 580 585 590
 Leu Pro Ser Phe Ala Ala Lys Leu Gly Val Lys Gly Ser Phe Glu Glu
 595 600 605
 Leu Cys Gln Asn Gln Val Val Arg Glu Ala Ile Leu Glu Asp Leu Gln
 610 615 620
 Lys Ile Gly Lys Glu Ser Gly Leu Lys Thr Phe Glu Gln Val Lys Ala
 625 630 635 640
 Ile Phe Leu His Pro Glu Pro Phe Ser Ile Glu Asn Gly Leu Leu Thr
 645 650 655
 Pro Thr Leu Lys Ala Lys Arg Gly Glu Leu Ser Lys Tyr Phe Arg Thr
 660 665 670
 Gln Ile Asp Ser Leu Tyr Glu His Ile Gln Asp
 675 680

<210> 2051

<211> 298

<212> PRT

<213> Homo sapiens

<400> 2051

Met Ala Pro Ser Gly Pro Gly Ser Ser Ala Arg Arg Arg Cys Arg Arg
 1 5 10 15

Val Leu Tyr Trp Ile Pro Val Val Phe Ile Thr Leu Leu Leu Gly Trp
 20 25 30

Ser Tyr Tyr Ala Tyr Ala Ile Gln Leu Cys Ile Val Ser Met Glu Asn
 35 40 45

Thr Gly Glu Gln Val Val Cys Leu Met Ala Tyr His Leu Leu Phe Ala
 50 55 60

Met Phe Val Trp Ser Tyr Trp Lys Thr Ile Phe Thr Leu Pro Met Asn
 65 70 75 80

Pro Ser Lys Glu Phe His Leu Ser Tyr Ala Glu Lys Asp Leu Leu Glu
 85 90 95

Arg Glu Pro Arg Gly Glu Ala His Gln Glu Val Leu Arg Arg Ala Ala
 100 105 110

Lys Asp Leu Pro Ile Tyr Thr Arg Thr Met Ser Gly Ala Ile Arg Tyr

115	120	125
Cys Asp Arg Cys Gln Leu Ile Lys Pro Asp Arg Cys His His Cys Ser		
130	135	140
Val Cys Asp Lys Cys Ile Leu Lys Met Asp His His Cys Pro Trp Val		
145	150	155
Asn Asn Cys Val Gly Phe Ser Asn Tyr Lys Phe Phe Leu Leu Phe Leu		
165	170	175
Ala Tyr Ser Leu Leu Tyr Cys Leu Phe Ile Ala Ala Thr Asp Leu Gln		
180	185	190
Tyr Phe Ile Lys Phe Trp Thr Asn Gly Leu Pro Asp Thr Gln Ala Lys		
195	200	205
Phe His Ile Met Phe Leu Phe Phe Ala Ala Ala Met Phe Ser Val Ser		
210	215	220
Leu Ser Ser Leu Phe Gly Tyr His Cys Trp Leu Val Ser Lys Asn Lys		
225	230	235
Ser Thr Leu Glu Ala Phe Arg Ser Pro Val Phe Arg His Gly Thr Asp		
245	250	255
Lys Asn Gly Phe Ser Leu Gly Phe Ser Lys Asn Met Arg Gln Val Phe		
260	265	270
Gly Asp Glu Lys Lys Tyr Trp Leu Leu Pro Ile Phe Ser Ser Leu Gly		
275	280	285
Asp Gly Cys Ser Phe Pro Thr Leu Pro Cys		
290	295	

<210> 2052

<211> 286

<212> PRT

<213> Homo sapiens

<400> 2052

Met Ala Pro Ser Gly Pro Gly Ser Ser Ala	Arg Arg Arg Cys Arg Arg		
1	5	10	15

Val Leu Tyr Trp Ile Pro Val Val Phe Ile Thr Leu Leu Leu Gly Trp		
20	25	30

Ser Tyr Tyr Ala Tyr Ala Ile Gln Leu Cys Ile Val Ser Met Glu Asn		
35	40	45

Thr Gly Glu Gln Val Val Cys Leu Met Ala Tyr His Leu Leu Phe Ala		
50	55	60

Met Phe Val Trp Ser Tyr Trp Lys Thr Ile Phe Thr Leu Pro Met Asn			
65	70	75	80

Pro Ser Lys Glu Phe His Leu Ser Tyr Ala Glu Lys Asp Leu Leu Glu		
85	90	95

Arg Glu Pro Arg Gly Glu Ala His Gln Glu Val Leu Arg Arg Ala Ala
 100 105 110
 Lys Asp Leu Pro Ile Tyr Thr Arg Thr Met Ser Gly Ala Ile Arg Tyr
 115 120 125
 Cys Asp Arg Cys Gln Leu Ile Lys Pro Asp Arg Cys His His Cys Ser
 130 135 140
 Val Cys Asp Lys Cys Ile Leu Lys Met Asp His His Cys Pro Trp Val
 145 150 155 160
 Asn Asn Cys Val Gly Phe Ser Asn Tyr Lys Phe Phe Leu Leu Phe Leu
 165 170 175
 Ala Tyr Ser Leu Leu Tyr Cys Leu Phe Ile Ala Ala Thr Asp Leu Gln
 180 185 190
 Tyr Phe Ile Lys Phe Trp Thr Asn Gly Leu Pro Asp Thr Gln Ala Lys
 195 200 205
 Phe His Ile Met Phe Leu Phe Phe Ala Ala Ala Met Phe Ser Val Ser
 210 215 220
 Leu Ser Ser Leu Phe Gly Tyr His Cys Trp Leu Val Ser Lys Asn Lys
 225 230 235 240
 Ser Thr Leu Glu Ala Phe Arg Ser Pro Val Phe Arg His Gly Thr Asp
 245 250 255
 Lys Asn Gly Phe Ser Leu Gly Phe Ser Lys Asn Met Arg Gln Val Leu
 260 265 270
 Val Met Arg Arg Ser Thr Gly Cys Tyr Pro Phe Phe Gln Val
 275 280 285

<210> 2053

<211> 47

<212> PRT

<213> Homo sapiens

<400> 2053

Met Ser His Gly Ser Gln Pro Phe Leu Leu Leu Ser Leu His Ile
 1 5 10 15

Leu Ile Leu Ala Gly Ser Phe Leu Leu Phe Ser Pro Tyr Thr Ala Lys
 20 25 30

Pro Ser Phe Ser Ser Ser Phe Ile Val Phe Pro Arg Ala Glu Met
 35 40 45

<210> 2054

<211> 914

<212> PRT

<213> Homo sapiens

<400> 2054

Met Gly Pro Phe Lys Ser Ser Val Phe Ile Leu Ile Leu His Leu Leu
1 5 10 15

Glu Gly Ala Leu Ser Asn Ser Leu Ile Gln Leu Asn Asn Asn Gly Tyr
20 25 30

Glu Gly Ile Val Val Ala Ile Asp Pro Asn Val Pro Glu Asp Glu Thr
35 40 45

Leu Ile Gln Gln Ile Lys Asp Met Val Thr Gln Ala Ser Leu Tyr Leu
50 55 60

Phe Glu Ala Thr Gly Lys Arg Phe Tyr Phe Lys Asn Val Ala Ile Leu
65 70 75 80

Ile Pro Glu Thr Trp Lys Thr Lys Ala Asp Tyr Val Arg Pro Lys Leu
85 90 95

Glu Thr Tyr Lys Asn Ala Asp Val Leu Val Ala Glu Ser Thr Pro Pro
100 105 110

Gly Asn Asp Glu Pro Tyr Thr Glu Gln Met Gly Asn Cys Gly Glu Lys
115 120 125

Gly Glu Arg Ile His Leu Thr Pro Asp Phe Ile Ala Gly Lys Lys Leu
130 135 140

Ala Glu Tyr Gly Pro Gln Gly Arg Ala Phe Val His Glu Trp Ala His
145 150 155 160

Leu Arg Trp Gly Val Phe Asp Glu Tyr Asn Asn Asp Glu Lys Phe Tyr
165 170 175

Leu Ser Asn Gly Arg Ile Gln Ala Val Arg Cys Ser Ala Gly Ile Thr
180 185 190

Gly Thr Asn Val Val Lys Lys Cys Gln Gly Ser Cys Tyr Thr Lys
195 200 205

Arg Cys Thr Phe Asn Lys Val Thr Gly Leu Tyr Glu Lys Gly Cys Glu
210 215 220

Phe Val Leu Gln Ser Arg Gln Thr Glu Lys Ala Ser Ile Met Phe Ala
225 230 235 240

Gln His Val Asp Ser Ile Val Glu Phe Cys Thr Glu Gln Asn His Asn
245 250 255

Lys Glu Ala Pro Asn Lys Gln Asn Gln Lys Cys Asn Leu Arg Ser Thr
260 265 270

Trp Glu Val Ile Arg Asp Ser Glu Asp Phe Lys Lys Thr Thr Pro Met
275 280 285

Thr Thr Gln Pro Pro Asn Pro Thr Phe Ser Leu Leu Gln Ile Gly Gln
290 295 300

Arg Ile Val Cys Leu Val Leu Asp Lys Ser Gly Ser Met Ala Thr Gly

305	310	315	320
Asn Arg Leu Asn Arg Leu Asn Gln Ala Gly Gln Leu Phe Leu Leu Gln			
325	330	335	
Thr Val Glu Leu Gly Ser Trp Val Gly Met Val Thr Phe Asp Ser Ala			
340	345	350	
Ala His Val Gln Ser Glu Leu Ile Gln Ile Asn Ser Gly Ser Asp Arg			
355	360	365	
Asp Thr Leu Ala Lys Arg Leu Pro Ala Ala Ala Ser Gly Gly Thr Ser			
370	375	380	
Ile Cys Ser Gly Leu Arg Ser Ala Phe Thr Val Ile Arg Lys Lys Tyr			
385	390	395	400
Pro Thr Asp Gly Ser Glu Ile Val Leu Leu Thr Asp Gly Glu Asp Asn			
405	410	415	
Thr Ile Ser Gly Cys Phe Asn Glu Val Lys Gln Ser Gly Ala Ile Ile			
420	425	430	
His Thr Val Ala Leu Gly Pro Ser Ala Ala Gln Glu Leu Glu Glu Leu			
435	440	445	
Ser Lys Met Thr Gly Gly Leu Gln Thr Tyr Ala Ser Asp Gln Val Gln			
450	455	460	
Asn Asn Gly Leu Ile Asp Ala Phe Gly Ala Leu Ser Ser Gly Asn Gly			
465	470	475	480
Ala Val Ser Gln Arg Ser Ile Gln Leu Glu Ser Lys Gly Leu Thr Leu			
485	490	495	
Gln Asn Ser Gln Trp Met Asn Gly Thr Val Ile Val Asp Ser Thr Val			
500	505	510	
Gly Lys Asp Thr Leu Phe Leu Ile Thr Trp Thr Thr Gln Pro Pro Gln			
515	520	525	
Ile Leu Leu Trp Asp Pro Ser Gly Gln Lys Gln Gly Gly Phe Val Val			
530	535	540	
Asp Lys Asn Thr Lys Met Ala Tyr Leu Gln Ile Pro Gly Ile Ala Lys			
545	550	555	560
Val Gly Thr Trp Lys Tyr Ser Leu Gln Ala Ser Ser Gln Thr Leu Thr			
565	570	575	
Leu Thr Val Thr Ser Arg Ala Ser Asn Ala Thr Leu Pro Pro Ile Thr			
580	585	590	
Val Thr Ser Lys Thr Asn Lys Asp Thr Ser Lys Phe Pro Ser Pro Leu			
595	600	605	
Val Val Tyr Ala Asn Ile Arg Gln Gly Ala Ser Pro Ile Leu Arg Ala			
610	615	620	
Ser Val Thr Ala Leu Ile Glu Ser Val Asn Gly Lys Thr Val Thr Leu			

625	630	635	640
Glu Leu Leu Asp Asn Gly Ala Gly Ala Asp Ala Thr Lys Asp Asp Gly			
645		650	655
Val Tyr Ser Arg Tyr Phe Thr Thr Tyr Asp Thr Asn Gly Arg Tyr Ser			
660	665	670	
Val Lys Val Arg Ala Leu Gly Gly Val Asn Ala Ala Arg Arg Arg Val			
675	680	685	
Ile Pro Gln Gln Ser Gly Ala Leu Tyr Ile Pro Gly Trp Ile Glu Asn			
690	695	700	
Asp Glu Ile Gln Trp Asn Pro Pro Arg Pro Glu Ile Asn Lys Asp Asp			
705	710	715	720
Val Gln His Lys Gln Val Cys Phe Ser Arg Thr Ser Ser Gly Gly Ser			
725	730	735	
Phe Val Ala Ser Asp Val Pro Asn Ala Pro Ile Pro Asp Leu Phe Pro			
740	745	750	
Pro Gly Gln Ile Thr Asp Leu Lys Ala Glu Ile His Gly Gly Ser Leu			
755	760	765	
Ile Asn Leu Thr Trp Thr Ala Pro Gly Asp Asp Tyr Asp His Gly Thr			
770	775	780	
Ala His Lys Tyr Ile Ile Arg Ile Ser Thr Ser Ile Leu Asp Leu Arg			
785	790	795	800
Asp Lys Phe Asn Glu Ser Leu Gln Val Asn Thr Thr Ala Leu Ile Pro			
805	810	815	
Lys Glu Ala Asn Ser Glu Glu Val Phe Leu Phe Lys Pro Glu Asn Ile			
820	825	830	
Thr Phe Glu Asn Gly Thr Asp Leu Phe Ile Ala Ile Gln Ala Val Asp			
835	840	845	
Lys Val Asp Leu Lys Ser Glu Ile Ser Asn Ile Ala Arg Val Ser Leu			
850	855	860	
Phe Ile Pro Pro Gln Thr Pro Pro Glu Thr Pro Ser Pro Asp Glu Thr			
865	870	875	880
Ser Ala Pro Cys Pro Asn Ile His Ile Asn Ser Thr Ile Pro Gly Ile			
885	890	895	
His Ile Leu Lys Ile Met Trp Lys Trp Ile Gly Glu Leu Gln Leu Ser			
900	905	910	
Ile Ala			

<210> 2055

<211> 83

<212> PRT

<213> Homo sapiens

<400> 2055

Met	Ala	Ser	Cys	Gly	Leu	Thr	Gly	Ala	Ser	Leu	Pro	Pro	Cys	Cys	Cys
1				5				10					15		

Ser	Ser	Phe	Leu	Ala	Ala	Leu	Lys	Ser	Met	Phe	Trp	Gly	Leu	Gly	Ser
							20		25				30		

Leu	Leu	Trp	Ser	Leu	Val	Gly	Ile	Leu	Ser	Pro	Ile	Ser	Ser	Cys	Phe
							35		40			45			

Cys	Val	Tyr	Thr	Cys	Leu	Thr	Pro	Gly	Ser	Ser	Ser	Leu	Phe	Pro	Arg
	50				55				60						

Ala	Val	Thr	Gln	Lys	Leu	Glu	Gln	Ser	Val	Pro	Thr	Lys	Ala	Leu	Trp
65					70				75			80			

Gly Trp Met

<210> 2056

<211> 68

<212> PRT

<213> Homo sapiens

<400> 2056

Met	Ala	Thr	Val	Gly	Leu	Ser	Trp	Lys	Lys	Glu	Leu	Val	Ile	Leu	Leu
1					5				10			15			

Val	Gly	Pro	Gly	Ala	Ala	Ala	Leu	Gln	Pro	Thr	His	Thr	Cys	Cys	Ser
		20						25			30				

Leu	Pro	Ser	Leu	Ser	Sér	Leu	Phe	Pro	Leu	Arg	Leu	Asn	Thr	Lys	Thr
	35						40			45					

Ser	Pro	Lys	Thr	Thr	Arg	Thr	Asn	Leu	Tyr	Leu	Leu	Ser	Ile	Ala	Pro
	50				55					60					

Leu Ser His Leu

65

<210> 2057

<211> 73

<212> PRT

<213> Homo sapiens

<400> 2057

Met	Glu	Leu	Leu	Lys	Cys	Ser	Trp	Gln	Leu	Phe	Phe	Ser	Phe	Leu	Thr
1					5				10			15			

His	Cys	Ser	Ala	Ser	Thr	Ile	Val	Trp	Leu	Phe	Val	Gln	His	Arg	Leu
	20							25			30				

Ser Gln Ser His Asn Lys Pro Phe Phe Gly Ile Leu Gln Arg Cys His

35

40

45

Ser Trp His Leu Asn Arg Glu Ser Phe Val Pro Asn Gln Ser Phe Ser
 50 55 60

Ile Tyr Glu Ser Cys Ser Ile Arg Lys
 65 70

<210> 2058

<211> 85

<212> PRT

<213> Homo sapiens

<400> 2058

Met Gln Val Phe Phe Leu Ser Glu Ile Gly Met Leu Trp Val Val Val
 1 5 10 15

Lys Met Ala His Ser Ala Met Leu Val Ser His Thr Gln Asp Pro Thr
 20 25 30

Pro Ser Arg Trp Pro Cys Ser Leu Ala Gln Ser Ile Leu Leu Thr Cys
 35 40 45

Ser Pro Gln His Arg Phe Ser Leu Glu Arg Lys Ile Gln Leu Pro Pro
 50 55 60

Arg Arg Trp Trp Ala Glu Gly Arg Glu Gly Cys Trp Val Arg Glu Arg
 65 70 75 80

Val Gly Glu Arg Thr
 85

<210> 2059

<211> 51

<212> PRT

<213> Homo sapiens

<400> 2059

Met Leu Thr Leu Thr His Phe Val Ser Tyr Asp Tyr Phe Ile Val Lys
 1 5 10 15

Arg Leu Val Gly Trp Leu Val Gly Trp Leu Val Cys Phe Val Leu Val
 20 25 30

Ser Pro Phe Ile His Ser Leu Ser Thr Asn Tyr Asn Phe Leu Cys Phe
 35 40 45

Met Cys Gly
 50

<210> 2060

<211> 354

<212> PRT

<213> Homo sapiens

<400> 2060

Met Ala Pro Ala Lys Ala Thr Asn Val Val Arg Leu Leu Leu Gly Ser		
1	5	10
15		
Thr Ala Leu Trp Leu Ser Gln Leu Gly Ser Gly Thr Val Ala Ala Ser		
20	25	30
Lys Ser Val Thr Ala His Leu Ala Ala Lys Trp Pro Glu Thr Pro Leu		
35	40	45
Leu Leu Glu Ala Ser Glu Phe Met Ala Glu Glu Ser Asn Glu Lys Phe		
50	55	60
Trp Gln Phe Leu Glu Thr Val Gln Glu Leu Ala Ile Tyr Lys Gln Thr		
65	70	75
80		
Glu Ser Asp Tyr Ser Tyr Tyr Asn Leu Ile Leu Lys Lys Ala Gly Gln		
85	90	95
Phe Leu Asp Asn Leu His Ile Asn Leu Leu Lys Phe Ala Phe Ser Ile		
100	105	110
Arg Ala Tyr Ser Pro Ala Ile Gln Met Phe Gln Gln Ile Ala Ala Asp		
115	120	125
Glu Pro Pro Pro Asp Gly Cys Asn Ala Phe Val Val Ile His Lys Lys		
130	135	140
His Thr Cys Lys Ile Asn Glu Ile Lys Lys Leu Leu Lys Lys Ala Ala		
145	150	155
160		
Ser Arg Thr Arg Pro Tyr Leu Phe Lys Gly Asp His Lys Phe Pro Thr		
165	170	175
Asn Lys Glu Asn Leu Pro Val Val Ile Leu Tyr Ala Glu Met Gly Thr		
180	185	190
Arg Thr Phe Ser Ala Phe His Lys Val Leu Ser Glu Lys Ala Gln Asn		
195	200	205
Glu Glu Ile Leu Tyr Val Leu Arg His Tyr Ile Gln Lys Pro Ser Ser		
210	215	220
Arg Lys Met Tyr Leu Ser Gly Tyr Gly Val Glu Leu Ala Ile Lys Ser		
225	230	235
240		
Thr Glu Tyr Lys Ala Leu Asp Asp Thr Gln Val Lys Thr Val Thr Asn		
245	250	255
Thr Thr Val Glu Asp Glu Thr Glu Thr Asn Glu Val Gln Gly Phe Leu		
260	265	270
Phe Gly Lys Leu Lys Glu Ile Tyr Ser Asp Leu Arg Asp Asn Leu Thr		
275	280	285
Ala Phe Gln Lys Tyr Leu Ile Glu Ser Asn Lys Gln Met Met Pro Leu		
290	295	300
Lys Val Trp Glu Leu Gln Asp Leu Ser Phe Gln Ala Ala Ser Gln Ile		
1350		

305	310	315	320
Met Ser Ala Pro Val Tyr Asp Ala Ile Lys Leu Met Lys Asp Ile Ser			
325	330	335	
Gln Asn Phe Pro Ile Lys Ala Arg Val Gln Met Ile Gly Asn Val Leu			
340	345	350	
Ile Gly			

<210> 2061

<211> 157

<212> PRT

<213> Homo sapiens

<400> 2061

Met Gln Ala Pro Arg Ala Ala Leu Val Phe Ala Leu Val Ile Ala Leu			
1	5	10	15

Val Pro Val Gly Arg Gly Asn Tyr Glu Glu Leu Glu Asn Ser Gly Asp			
20	25	30	

Thr Thr Val Glu Ser Glu Arg Pro Asn Lys Val Thr Ile Pro Ser Thr			
35	40	45	

Phe Ala Ala Val Thr Ile Lys Glu Thr Leu Asn Ala Asn Ile Asn Ser			
50	55	60	

Thr Asn Phe Ala Pro Asp Glu Asn Gln Leu Glu Phe Ile Leu Met Val			
65	70	75	80

Leu Ile Pro Leu Ile Leu Val Leu Leu Leu Ser Val Val Phe			
85	90	95	

Leu Ala Thr Tyr Tyr Lys Arg Lys Arg Thr Lys Gln Glu Pro Ser Ser			
100	105	110	

Gln Gly Ser Gln Ser Ala Leu Gln Thr Cys Glu Tyr Tyr Pro Lys Thr			
115	120	125	

Cys Leu Gln Val Gly Val Gly Leu Glu Lys Glu Gln Arg Cys Phe Lys			
130	135	140	

Ile Lys Gln Gln Gly Leu His Ile Ile Val Ser Asp Lys			
145	150	155	

<210> 2062

<211> 67

<212> PRT

<213> Homo sapiens

<400> 2062

Met Val Leu Gly Phe Val Leu Leu Phe Asn Met Gly Gly Thr Phe			
1	5	10	15

Ser Asp Gly Arg Lys Glu Arg Arg Arg Thr Thr Phe Leu Arg Cys Cys
 20 25 30

Asp Phe Ile Met Lys Pro Ser Pro Ala Leu Ile Leu Val Thr Ser Val
 35 40 45

Gly Pro Val Leu Leu Gln Asn Ala Ser Trp Val Ser Val Cys Arg Thr
 50 55 60

Leu Leu Ser
 65

<210> 2063

<211> 43

<212> PRT

<213> Homo sapiens

<400> 2063

Met Tyr Phe Phe Phe Leu Thr Phe Leu Ala Leu Trp Val Met Gly
 1 5 10 15

Thr Thr Ala Met Ala Ser Pro Phe Phe Met Gly Tyr Gln Leu Gln Tyr
20 25 30

Gly Pro Gln Cys Cys Ser Gly His Phe Asn Asp
35 40

<210> 2064

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2064

Met Cys Glu Gly Trp Leu His Pro Ile Phe Leu Tyr Cys Cys Phe Trp
 1 5 . 10 15

Thr Thr Thr Pro Ser Cys Ser Ala Phe Gly Ile Leu Asp Leu His Gln
20 25 30

Gln His Pro Ile Pro Thr Pro Ser Ser Trp Phe Ser Gly Leu Cys Pro
35 40 45

Trp Thr Glu Leu His His Cys Leu Arg
50 55

<210> 2065

<211> 51

<212> PRT

<213> Homo sapiens

<400> 2065

Met Ile Ile Cys Leu Ile Met Phe Tyr Phe Ile Ala Leu Ala Gly Ala
1 5 10 15

His	Lys	Arg	Val	Val	Ile	Gln	Leu	Arg	Glu	Gln	Leu	Ser	Leu	Glu	Ser
			20			25			25			30			
Arg	Asp	Lys	Cys	Tyr	Leu	Ile	Gln	Lys	Leu	Thr	Glu	Ala	Gln	Arg	Asp
			35			40			40			45			
Met	Arg	Asn													
		50													

<210> 2066

<211> 366

<212> PRT

<213> Homo sapiens

<400> 2066

Met	Ala	Cys	Leu	Lys	Thr	Gln	Arg	Ala	Pro	Lys	Ala	Phe	Leu	Leu	Leu
1									10					15	

Pro	Leu	Leu	Leu	Tyr	Phe	Ala	Gly	Leu	Ser	Lys	Leu	Thr	Gln	Leu	Gln
				20				25					30		

Val	Cys	Ser	Gly	Thr	Asp	Glu	Asp	Pro	Asp	Asp	Lys	Asn	Ala	Pro	Phe
				35				40				45			

Arg	Gln	Arg	Pro	Phe	Cys	Lys	Tyr	Lys	Gly	His	Thr	Ala	Asp	Leu	Leu
					50			55			60				

Asp	Leu	Ser	Trp	Ser	Lys	Asn	Tyr	Phe	Leu	Leu	Ser	Ser	Ser	Met	Asp
					65			70			75				80

Lys	Thr	Val	Arg	Leu	Trp	His	Ile	Ser	Arg	Arg	Glu	Cys	Leu	Cys	Cys
						85			90			95			

Phe	Gln	His	Ile	Asp	Phe	Val	Thr	Ala	Ile	Ala	Phe	His	Pro	Arg	Asp
					100			105			110				

Asp	Arg	Tyr	Phe	Leu	Ser	Gly	Ser	Leu	Asp	Gly	Lys	Leu	Arg	Leu	Trp
					115			120			125				

Asn	Ile	Pro	Asp	Lys	Lys	Val	Ala	Leu	Trp	Asn	Glu	Val	Asp	Gly	Gln
						130		135			140				

Thr	Lys	Leu	Ile	Thr	Ala	Ala	Asn	Phe	Cys	Gln	Asn	Gly	Lys	Tyr	Ala
					145			150			155			160	

Val	Ile	Gly	Thr	Tyr	Asp	Gly	Arg	Cys	Ile	Phe	Tyr	Asp	Thr	Glu	His
						165			170			175			

Leu	Lys	Tyr	His	Thr	Gln	Ile	His	Val	Arg	Ser	Thr	Arg	Gly	Arg	Asn
						180			185			190			

Lys	Val	Gly	Arg	Lys	Ile	Thr	Gly	Ile	Glu	Pro	Leu	Pro	Gly	Glu	Asn
					195			200			205				

Lys	Ile	Leu	Val	Thr	Ser	Asn	Asp	Ser	Arg	Ile	Arg	Leu	Tyr	Asp	Leu
					210			215			220				

Arg	Asp	Leu	Ser	Leu	Ser	Met	Lys	Tyr	Lys	Gly	Tyr	Val	Asn	Ser	Ser
												1353			

225	230	235	240
Ser Gln Ile Lys Ala Ser Phe Ser His Asp Phe Thr Tyr Leu Val Ser			
245		250	255
Gly Ser Glu Asp Lys Tyr Val Tyr Ile Trp Ser Thr Tyr His Asp Leu			
260	265		270
Ser Lys Phe Thr Ser Val Arg Arg Asp Arg Asn Asp Phe Trp Glu Gly			
275	280	285	
Ile Lys Ala His Asn Ala Val Val Thr Ser Ala Ile Phe Ala Pro Asn			
290	295	300	
Pro Ser Leu Met Leu Ser Leu Asp Val Gln Ser Glu Lys Ser Glu Gly			
305	310	315	320
Asn Glu Lys Ser Glu Asp Ala Glu Val Leu Asp Ala Thr Pro Ser Gly			
325	330	335	
Ile Met Lys Thr Asp Asn Thr Glu Val Leu Leu Ser Ala Asp Phe Thr			
340	345	350	
Gly Ala Ile Lys Val Phe Val Asn Lys Arg Lys Asn Val Ser			
355	360	365	

<210> 2067

<211> 187

<212> PRT

<213> Homo sapiens

<400> 2067

Met Val Ala Ala Thr Val Ala Ala Ala Trp Leu Leu Leu Trp Ala Ala			
1	5	10	15

Ala Cys Ala Gln Gln Glu Gln Asp Phe Tyr Asp Phe Lys Ala Val Asn			
20	25	30	

Ile Arg Gly Lys Leu Val Ser Leu Glu Lys Tyr Arg Gly Ser Val Ser			
35	40	45	

Leu Val Val Asn Val Ala Ser Glu Cys Gly Phe Thr Asp Gln His Tyr			
50	55	60	

Arg Ala Leu Gln Gln Leu Gln Arg Asp Leu Gly Pro His His Phe Asn			
65	70	75	80

Val Leu Ala Phe Pro Cys Asn Gln Phe Gly Gln Gln Glu Pro Asp Ser			
85	90	95	

Asn Lys Glu Ile Glu Ser Phe Ala Arg Arg Thr Tyr Ser Val Ser Phe			
100	105	110	

Pro Met Phe Ser Lys Ile Ala Val Thr Gly Thr Gly Ala His Pro Ala			
115	120	125	

Phe Lys Tyr Leu Ala Gln Thr Ser Gly Lys Glu Pro Thr Trp Asn Phe			
130	135	140	

Trp Lys Tyr Leu Val Ala Pro Asp Gly Lys Val Val Gly Ala Trp Asp			
145	150	155	160
Pro Thr Val Ser Val Glu Glu Val Arg Pro Gln Ile Thr Ala Leu Val			
165	170	175	
Arg Lys Leu Ile Leu Leu Lys Arg Glu Asp Leu			
180	185		

<210> 2068

<211> 346

<212> PRT

<213> Homo sapiens

<400> 2068

Met Asp Pro Ala Arg Lys Ala Gly Ala Gln Ala Met Ile Trp Thr Ala			
1	5	10	15

Gly Trp Leu Leu Leu Leu Leu Arg Gly Gly Ala Gln Ala Leu Glu			
20	25	30	

Cys Tyr Ser Cys Val Gln Lys Ala Asp Asp Gly Cys Ser Pro Asn Lys			
35	40	45	

Met Lys Thr Val Lys Cys Ala Pro Gly Val Asp Val Cys Thr Glu Ala			
50	55	60	

Val Gly Ala Val Glu Thr Ile His Gly Gln Phe Ser Leu Ala Val Arg			
65	70	75	80

Gly Cys Gly Ser Gly Leu Pro Gly Lys Asn Asp Arg Gly Leu Asp Leu			
85	90	95	

His Gly Leu Leu Ala Phe Ile Gln Leu Gln Gln Cys Ala Gln Asp Arg			
100	105	110	

Cys Asn Ala Lys Leu Asn Leu Thr Ser Arg Ala Leu Asp Pro Ala Gly			
115	120	125	

Asn Glu Ser Ala Tyr Pro Pro Asn Gly Val Glu Cys Tyr Ser Cys Val			
130	135	140	

Gly Leu Ser Arg Glu Ala Cys Gln Gly Thr Ser Pro Pro Val Val Ser			
145	150	155	160

Cys Tyr Asn Ala Ser Asp His Val Tyr Lys Gly Cys Phe Asp Gly Asn			
165	170	175	

Val Thr Leu Thr Ala Ala Asn Val Thr Val Ser Leu Pro Val Arg Gly			
180	185	190	

Cys Val Gln Asp Glu Phe Cys Thr Arg Asp Gly Val Thr Gly Pro Gly			
195	200	205	

Phe Thr Leu Ser Gly Ser Cys Cys Gln Gly Ser Arg Cys Asn Ser Asp.			
210	215	220	

Leu Arg Asn Lys Thr Tyr Phe Ser Pro Arg Ile Pro Pro Leu Val Arg
 225 230 235 240

 Leu Pro Pro Pro Glu Pro Thr Thr Val Ala Ser Thr Thr Ser Val Thr
 245 250 255

 Thr Ser Thr Ser Ala Pro Val Arg Pro Thr Ser Thr Thr Lys Pro Met
 260 265 270

 Pro Ala Pro Thr Ser Gln Thr Pro Arg Gln Gly Val Glu His Glu Ala
 275 280 285

 Ser Arg Asp Glu Glu Pro Arg Leu Thr Gly Gly Ala Ala Gly His Gln
 290 295 300

 Asp Arg Ser Asn Ser Gly Gln Tyr Pro Ala Lys Gly Gly Pro Gln Gln
 305 310 315 320

 Pro His Asn Lys Gly Cys Val Ala Pro Thr Ala Gly Leu Ala Ala Leu
 325 330 335

 Leu Leu Ala Val Ala Ala Gly Val Leu Leu
 340 345

<210> 2069

<211> 47

<212> PRT

<213> Homo sapiens

<400> 2069

Met Arg Leu Ser Arg Ala Ala His Asn Leu Gln Thr Ile Leu Tyr Ser
 1 5 10 15

Val Phe Cys Leu Cys Leu His Val Ala Met Met Asp Arg Ser Pro Ser
 20 25 30

Ser Ile Leu Ala Leu Trp Arg Ser Gly Ser Cys Ser Val Glu Ile
 35 40 45

<210> 2070

<211> 102

<212> PRT

<213> Homo sapiens

<400> 2070

Met Leu Leu His Trp Leu Leu Gln Asn Glu Leu Gln Ser Ala Val Ala
 1 5 10 15

Ser Cys Leu Val Ser Ile Ser Leu Gly Lys Glu Asp Phe Leu Gln Thr
 20 25 30

Gly Cys Lys Val Lys Ser His Val Gly Val Ile His Arg Arg Glu Lys
 35 40 45

Gly Gly Ala Ile Tyr Leu Pro Asn Ser Leu Val Leu Pro Thr Ser His
 50 55 60

Trp	Ile	Arg	Leu	Ser	Tyr	Arg	Asn	Arg	His	Arg	Gly	Phe	Ile	Leu	Trp
65					70				75						80

Thr	Leu	Met	Ser	Thr	Trp	Glu	Ala	Arg	Cys	His	Gly	Pro	Cys	Val	Met
				85				90						95	

Phe	Asp	Phe	Asn	Gln	Lys										
				100											

<210> 2071

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2071

Met	Val	Thr	Leu	Ala	Glu	Leu	Leu	Val	Leu	Leu	Ala	Ala	Leu	Leu	Ala
1				5				10			15				

Thr	Val	Ser	Gly	Tyr	Phe	Val	Ser	Ile	Asp	Ala	His	Ala	Glu	Glu	Cys
			20				25						30		

Phe	Phe	Glu	Arg	Val	Thr	Ser	Gly	Thr	Lys	Met	Gly	Leu	Ile	Phe	Glu
			35			40				45					

Val	Ala	Glu	Gly	Gly	Phe	Leu	Asp	Ile	Asp	Val	Glu	Val	Arg	Ala	Ser
			50			55				60					

Cys	Pro	Gln	Leu	Arg	Leu	Gly	Arg	Val	Ala	Thr	Arg	Gly	Leu	Val	Ala
65				70				75			80				

Pro	Gly	Thr	Gly	Ala	Gly	Pro	Val	Trp	Gly	Val	Gly	Leu	Glu	Val	Ala
			85				90				95				

Val	Arg	Val	Leu	Glu	Lys	Pro	Arg	Pro	Pro	Pro	Pro	Ala	Pro	Pro	Arg
			100				105				110				

Pro	Arg	Arg	Pro	Pro	Asn	Gly	Pro	Phe	Ser	Arg	Asp	Leu	Pro	Gly	Phe
115					120					125					

Arg	Asp	Pro	Leu	Gly	Ala	Pro	Ser	Ala	Xaa	Leu	Val	Ala	Leu	Gly	Phe
				130			135			140					

<210> 2072

<211> 12

<212> PRT

<213> Homo sapiens

<400> 2072

Met	Gly	Ser	Ser	Leu	Ala	Phe	Ile	Leu	Phe	Leu	Pro
1				5				10			

<210> 2073

<211> 201

<212> PRT

<213> Homo sapiens

<400> 2073

Met	Val	Thr	Leu	Ala	Glu	Leu	Leu	Val	Leu	Leu	Ala
1				5				10			15

Thr	Val	Ser	Gly	Tyr	Phe	Val	Ser	Ile	Asp	Ala	His	Ala	Glu	Glu	Cys
						20		25					30		

Phe	Phe	Glu	Arg	Val	Thr	Ser	Gly	Thr	Lys	Met	Gly	Leu	Ile	Phe	Glu
						35		40					45		

Val	Ala	Glu	Gly	Gly	Phe	Leu	Asp	Ile	Asp	Val	Glu	Ile	Thr	Gly	Pro
						50		55			60				

Asp	Asn	Lys	Gly	Ile	Tyr	Lys	Gly	Asp	Arg	Glu	Ser	Ser	Gly	Lys	Tyr
						65		70			75			80	

Thr	Phe	Ala	Ala	His	Met	Asp	Gly	Thr	Tyr	Lys	Phe	Cys	Phe	Ser	Asn
						85			90				95		

Arg	Met	Ser	Thr	Met	Thr	Pro	Lys	Ile	Val	Met	Phe	Thr	Ile	Asp	Ile
						100			105			110			

Gly	Glu	Ala	Pro	Lys	Gly	Gln	Asp	Met	Glu	Thr	Glu	Ala	His	Gln	Asn
						115		120			125				

Lys	Leu	Glu	Glu	Met	Ile	Asn	Glu	Leu	Ala	Val	Ala	Met	Thr	Ala	Val
						130		135			140				

Lys	His	Glu	Gln	Glu	Tyr	Met	Glu	Val	Arg	Glu	Arg	Ile	His	Arg	Ala
						145		150			155			160	

Ile	Asn	Asp	Asn	Thr	Asn	Ser	Arg	Val	Val	Leu	Trp	Ser	Phe	Phe	Glu
						165			170			175			

Ala	Leu	Val	Leu	Val	Ala	Met	Thr	Leu	Gly	Gln	Ile	Tyr	Tyr	Leu	Lys
						180		185			190				

Arg	Phe	Phe	Glù	Val	Arg	Arg	Val	Val							
						195		200							

<210> 2074

<211> 45

<212> PRT

<213> Homo sapiens

<400> 2074

Met	Leu	Ser	Ala	Ser	Ile	Trp	Leu	Val	Ile	Ile	Ser	Arg	Gly	Asn
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1	5	10	15
Ala Arg Gln Lys Val Lys Leu Cys Phe Leu Leu Met Leu Leu Ala Thr			
20		25	30
Trp Lys Arg Arg Arg Gly Arg Gly Lys Arg Gly Arg Ser			
35		40	45

<210> 2075

<211> 201

<212> PRT

<213> Homo sapiens

<400> 2075

Met Val Thr Leu Ala Glu Leu Leu Val Leu Leu Ala Ala Leu Leu Ala			
1	5	10	15

Thr Val Ser Gly Tyr Phe Val Ser Ile Asp Ala His Ala Glu Glu Cys			
20		25	30

Phe Phe Glu Arg Val Thr Ser Gly Thr Lys Met Gly Leu Ile Phe Glu			
35		40	45

Val Ala Glu Gly Gly Phe Leu Asp Ile Asp Val Glu Ile Thr Gly Pro			
50		55	60

Asp Asn Lys Gly Ile Tyr Lys Gly Asp Arg Glu Ser Ser Gly Lys Tyr			
65		70	75

Thr Phe Ala Ala His Met Asp Gly Thr Tyr Lys Phe Cys Phe Ser Asn			
85		90	95

Arg Met Ser Thr Met Thr Pro Lys Ile Val Met Phe Thr Ile Asp Ile			
100		105	110

Gly Glu Ala Pro Lys Gly Gln Asp Met Glu Thr Glu Ala His Gln Asn			
115		120	125

Lys Leu Glu Glu Met Ile Asn Glu Leu Ala Val Ala Met Thr Ala Val			
130		135	140

Lys His Glu Gln Glu Tyr Met Glu Val Arg Glu Arg Ile His Arg Ala			
145		150	155

Ile Asn Asp Asn Thr Asn Ser Arg Val Val Leu Trp Ser Phe Phe Glu			
165		170	175

Ala Leu Val Leu Val Ala Met Thr Leu Gly Gln Ile Tyr Tyr Leu Lys			
180		185	190

Arg Phe Phe Glu Val Arg Arg Val Val			
195		200	

<210> 2076

<211> 201

<212> PRT

<213> Homo sapiens

<400> 2076

Met	Val	Thr	Leu	Ala	Glu	Leu	Leu	Val	Leu	Leu	Ala	Ala	Leu	Leu	Ala
1									10						15

Thr	Val	Ser	Gly	Tyr	Phe	Val	Ser	Ile	Asp	Ala	His	Ala	Glu	Glu	Cys
														30	
20							25								

Phe	Phe	Glu	Arg	Val	Thr	Ser	Gly	Thr	Lys	Met	Gly	Leu	Ile	Phe	Glu
35							40							45	

Val	Ala	Glu	Gly	Gly	Phe	Leu	Asp	Ile	Asp	Val	Glu	Ile	Thr	Gly	Pro
50						55					60				

Asp	Asn	Lys	Gly	Ile	Tyr	Lys	Gly	Asp	Arg	Glu	Ser	Ser	Gly	Lys	Tyr
65					70				75					80	

Thr	Phe	Ala	Ala	His	Met	Asp	Gly	Thr	Tyr	Lys	Phe	Cys	Phe	Ser	Asn
85								90						95	

Arg	Met	Ser	Thr	Met	Thr	Pro	Lys	Ile	Val	Met	Phe	Thr	Ile	Asp	Ile
100							105							110	

Gly	Glu	Ala	Pro	Lys	Gly	Gln	Asp	Met	Glu	Thr	Glu	Ala	His	Gln	Asn
115					120						125				

Lys	Leu	Glu	Glu	Met	Ile	Asn	Glu	Leu	Ala	Val	Ala	Met	Thr	Ala	Val
130					135					140					

Lys	His	Glu	Gln	Glu	Tyr	Met	Glu	Val	Arg	Glu	Arg	Ile	His	Arg	Ala
145					150				155				160		

Ile	Asn	Asp	Asn	Thr	Asn	Ser	Arg	Val	Val	Leu	Trp	Ser	Phe	Glu
165								170					175	

Ala	Leu	Val	Leu	Val	Ala	Met	Thr	Leu	Gly	Gln	Ile	Tyr	Tyr	Leu	Lys
180								185				190			

Arg	Phe	Phe	Glu	Val	Arg	Arg	Val	Val
195				200				

<210> 2077

<211> 587

<212> PRT

<213> Homo sapiens

<400> 2077

Met	Trp	Arg	Leu	Gly	Cys	Leu	Ile	Trp	Glu	Val	Phe	Asn	Gly	Pro	Leu
1									10						15

Pro	Arg	Ala	Ala	Leu	Arg	Asn	Pro	Gly	Lys	Ile	Pro	Lys	Thr	Leu
20					25						30			

Val	Pro	His	Tyr	Cys	Glu	Leu	Val	Gly	Ala	Asn	Pro	Lys	Val	Arg	Pro
35					40					45					

Asn	Pro	Ala	Arg	Phe	Leu	Gln	Asn	Cys	Arg	Ala	Pro	Gly	Gly	Phe	Met

50

55

60

Ser Asn Arg Phe Val Glu Thr Asn Leu Phe Leu Glu Glu Ile Gln Ile
 65 70 75 80

Lys Glu Pro Ala Glu Lys Gln Lys Phe Phe Gln Glu Leu Ser Lys Ser
 85 90 95

Leu Asp Ala Phe Pro Glu Asp Phe Cys Arg His Lys Val Leu Pro Gln
 100 105 110

Leu Leu Thr Ala Phe Glu Phe Gly Asn Ala Gly Ala Val Val Leu Thr
 115 120 125

Pro Leu Phe Lys Val Gly Lys Phe Leu Ser Ala Glu Glu Tyr Gln Gln
 130 135 140

Lys Ile Ile Pro Val Val Lys Met Phe Ser Ser Thr Asp Arg Ala
 145 150 155 160

Met Arg Ile Arg Leu Leu Gln Gln Met Glu Gln Phe Ile Gln Tyr Leu
 165 170 175

Asp Glu Pro Thr Val Asn Thr Gln Ile Phe Pro His Val Val His Gly
 180 185 190

Phe Leu Asp Thr Asn Pro Ala Ile Arg Glu Gln Thr Val Lys Ser Met
 195 200 205

Leu Leu Leu Ala Pro Lys Leu Asn Glu Ala Asn Leu Asn Val Glu Leu
 210 215 220

Met Lys His Phe Ala Arg Leu Gln Ala Lys Asp Glu Gln Gly Pro Ile
 225 230 235 240

Arg Cys Asn Thr Thr Val Cys Leu Gly Lys Ile Gly Ser Tyr Leu Ser
 245 250 255

Ala Ser Thr Arg His Arg Val Leu Thr Ser Ala Phe Ser Arg Ala Thr
 260 265 270

Arg Asp Pro Phe Ala Pro Ser Arg Val Ala Gly Val Leu Gly Phe Ala
 275 280 285

Ala Thr His Asn Leu Tyr Ser Met Asn Asp Cys Ala Gln Lys Ile Leu
 290 295 300

Pro Val Leu Cys Gly Leu Thr Val Asp Pro Glu Lys Ser Val Arg Asp
 305 310 315 320

Gln Ala Phe Lys Ala Ile Arg Ser Phe Leu Ser Lys Leu Glu Ser Val
 325 330 335

Ser Glu Asp Pro Thr Gln Leu Glu Glu Val Glu Lys Asp Val His Ala
 340 345 350

Ala Ser Ser Pro Gly Met Gly Gly Ala Ala Ala Ser Trp Ala Gly Trp
 355 360 365

Ala Val Thr Gly Val Ser Ser Leu Thr Ser Lys Leu Ile Arg Ser His

370	375	380
Pro Thr Thr Ala Pro Thr Glu Thr Asn Ile Pro Gln Arg Pro Thr Pro		
385	390	395
Glu Gly His Trp Glu Thr Gln Glu Glu Asp Lys Asp Thr Ala Glu Asp		
405	410	415
Ser Ser Thr Ala Asp Arg Trp Asp Asp Glu Asp Trp Gly Ser Leu Glu		
420	425	430
Gln Glu Ala Glu Ser Val Leu Ala Gln Gln Asp Asp Trp Ser Thr Gly		
435	440	445
Gly Gln Val Ser Arg Ala Ser Gln Val Ser Asn Ser Asp His Lys Ser		
450	455	460
Ser Lys Ser Pro Glu Ser Asp Trp Ser Ser Trp Glu Ala Glu Gly Ser		
465	470	475
Trp Glu Gln Gly Trp Gln Glu Pro Ser Ser Gln Glu Pro Pro Pro Asp		
485	490	495
Gly Thr Arg Leu Ala Ser Glu Tyr Asn Trp Gly Gly Pro Glu Ser Ser		
500	505	510
Asp Lys Gly Asp Pro Phe Ala Thr Leu Ser Ala Arg Pro Ser Thr Gln		
515	520	525
Pro Arg Pro Asp Ser Trp Gly Glu Asp Asn Trp Glu Gly Leu Glu Thr		
530	535	540
Asp Ser Arg Gln Val Lys Ala Glu Leu Ala Arg Lys Lys Arg Glu Glu		
545	550	555
Arg Arg Arg Glu Met Glu Ala Lys Arg Ala Glu Arg Lys Val Ala Lys		
565	570	575
Gly Pro Met Lys Leu Gly Ala Arg Lys Leu Asp		
580	585	

<210> 2078

<211> 124

<212> PRT

<213> Homo sapiens

<400> 2078

Met Arg Gln Val Ala Pro Ala Arg Arg Ala Gln Leu Glu His Ser Gly		
1	5	10
		15

Leu His Ala Ser Leu Cys Leu Leu Ser Leu Leu Ser Leu Leu Pro Thr		
20	25	30

Leu Glu Ala Asn Met Ser Gly Phe His Gln Ala Pro Leu Thr Leu Leu		
35	40	45

Pro Ser Cys Thr Gln Gly Asp Gly Glu Ala Arg Gly His His Thr Gln		
50	55	60

Pro Ser Phe Trp Arg Thr Glu Met Lys Cys Pro Val Glu Ala Leu Leu
 65 70 75 80

Glu His Leu Ala Thr Arg Ala Val Val Gly Arg Asn Gly Asp His Gly
 85 90 95

Ala Gln Gln Glu His Arg Thr Ala Ser Glu Gly Gln Gln Pro Leu
 100 105 110

Ala Glu Ser Ser Pro Trp Trp Gln Pro Pro His Gly
 115 120

<210> 2079

<211> 74

<212> PRT

<213> Homo sapiens

<400> 2079

Met Ala Leu Phe Ala Trp Leu Cys Leu Ser Ala Val Val Glu Ser Ser
 1 5 10 15

Ser Pro Gly Met Cys Met Ser Lys Cys Val Leu Ile Val Met Pro Arg
 20 25 30

Gln Lys Pro Leu Glu Asp Cys Cys Arg His Ala Leu Lys Met Thr Ser
 35 40 45

His Ser Ser Glu Lys Leu Gly Asp Leu Thr Pro Glu Gly Leu Lys Ser
 50 55 60

Glu Lys Ser Gln Glu His Leu Gly Phe Lys
 65 70

<210> 2080

<211> 76

<212> PRT

<213> Homo sapiens

<400> 2080

Met Val Val Asp Leu Phe Phe Tyr Leu Leu Cys Ile Phe Leu Val Leu
 1 5 10 15

Trp Val Leu Glu Ala Met Ile Lys His Leu Met Tyr Ser Asp Met Ser
 20 25 30

Ala Leu Ile Ala Ser Phe Ser Ser Phe Leu Asn Cys Ile His Tyr Phe
 35 40 45

Gln Asn Arg Tyr Arg Tyr Ser Val Pro Pro Phe Glu Leu Leu Ala Cys
 50 55 60

Ser Cys Phe Pro Leu Ser Pro Lys Gln Gly Phe Phe
 65 70 75

<210> 2081

<211> 146

<212> PRT

<213> Homo sapiens

<400> 2081

Met Ala Ala Leu Leu Leu Pro Leu Leu Leu Leu Pro Leu Leu		
1	5	10
		15

Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Ala		
20	25	30

Thr Ala Ala Arg Gly Ala Leu Glu Lys Ala Ser Gly Gln Arg Arg Glu		
35	40	45

Pro Glu Met Gln Arg Pro Glu Ala Ala Arg Ser Leu Pro Glu Gly Thr		
50	55	60

Val Pro Pro Glu Val Glu Glu Pro Pro Pro Leu Cys His Leu Glu Gln		
65	70	75
		80

Leu Trp Arg Cys Ser Ser Pro Leu Ala Gln Ser Phe Cys-Gly Ser Gly		
85	90	95

Ser Gly Trp Pro Arg Pro Ala Cys Ala Leu Pro Leu Cys Pro Pro Pro		
100	105	110

Cys Ala Gly Ala Pro Cys Cys Thr Ala Ser Ala Ala Ala Arg Ala		
115	120	125

Arg Trp Cys Trp Arg Gln Ser Phe Trp Ser Pro Trp Ser Arg Thr Cys		
130	135	140

Pro Pro	
145	

<210> 2082

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2082

Met Arg Leu Phe Ser Gln Met Leu Lys Ser Trp Met Ala Leu Phe Met		
1	5	10
		15

Arg Asn Val Trp Leu Glu Met Thr Ile Ala Thr Xaa Ile Gln		
20	25	30

<210> 2083

<211> 56

<212> PRT

<213> Homo sapiens

<400> 2083

Met	Arg	Leu	Phe	Ser	Gln	Met	Leu	Lys	Ser	Trp	Met	Ala	Leu	Phe	Met
1						5					10				15

Arg	Asn	Val	Trp	Leu	Glu	Met	Thr	Ile	Ala	Thr	Ala	His	Thr	Val	Ser
						20						25			30

Thr	Val	His	Trp	Arg	Lys	Trp	Thr	Lys	Met	Leu	Val	Gln	Ser	Pro	Thr
							35					40			45

Gln	Val	Lys	Met	Asn	Val	Ser	Gln								
							50					55			

<210> 2084

<211> 563

<212> PRT

<213> Homo sapiens

<400> 2084

Met	Gly	Ser	Leu	Ser	Asn	Tyr	Ala	Leu	Leu	Gln	Leu	Thr	Leu	Thr	Ala
1							5			10					15

Phe	Leu	Thr	Ile	Leu	Val	Gln	Pro	Gln	His	Leu	Leu	Ala	Pro	Val	Phe
						20			25			30			

Arg	Thr	Leu	Ser	Ile	Leu	Thr	Asn	Gln	Ser	Asn	Cys	Trp	Leu	Cys	Glu
						35			40			45			

His	Leu	Asp	Asn	Ala	Glu	Gln	Pro	Glu	Leu	Val	Phe	Val	Pro	Ala	Ser
						50			55			60			

Ala	Ser	Thr	Trp	Trp	Thr	Tyr	Ser	Gly	Gln	Trp	Met	Tyr	Glu	Arg	Val
						65			70		75		80		

Trp	Tyr	Pro	Gln	Ala	Glu	Val	Gln	Asn	His	Ser	Thr	Ser	Tyr	Arg
						85			90			95		

Lys	Val	Thr	Trp	His	Trp	Glu	Ala	Ser	Met	Glu	Ala	Gln	Gly	Leu	Ser
						100			105			110			

Phe	Ala	Gln	Val	Arg	Leu	Leu	Glu	Gly	Asn	Phe	Ser	Leu	Cys	Val	Glu
						115			120			125			

Asn	Lys	Asn	Gly	Ser	Gly	Pro	Phe	Leu	Gly	Asn	Ile	Pro	Lys	Gln	Tyr
						130			135			140			

Cys	Asn	Gln	Ile	Leu	Trp	Phe	Asp	Ser	Thr	Asp	Gly	Thr	Phe	Met	Pro
						145			150		155			160	

Ser	Ile	Asp	Val	Thr	Asn	Glu	Ser	Arg	Asn	Asp	Asp	Asp	Asp	Pro	Ser
						165			170			175			

Val	Cys	Leu	Gly	Thr	Arg	Gln	Cys	Ser	Trp	Phe	Ala	Gly	Cys	Thr	Asn
						180			185			190			

Arg Thr Trp Asn Ser Ser Ala Val Pro Leu Ile Gly Leu Pro Asn Thr
 195 200 205
 Gln Asp Tyr Lys Trp Val Asp Arg Asn Ser Gly Leu Thr Trp Ser Gly
 210 215 220
 Asn Asp Thr Cys Leu Tyr Ser Cys Gln Asn Gln Thr Lys Gly Leu Leu
 225 230 235 240
 Tyr Gln Leu Phe Arg Asn Leu Phe Cys Ser Tyr Gly Leu Thr Glu Ala
 245 250 255
 His Gly Lys Trp Arg Cys Ala Asp Ala Ser Ile Thr Asn Asp Lys Gly
 260 265 270
 His Asp Gly His Arg Thr Pro Thr Trp Trp Leu Thr Gly Ser Asn Leu
 275 280 285
 Thr Leu Ser Val Asn Asn Ser Gly Leu Phe Phe Leu Cys Gly Asn Gly
 290 295 300
 Val Tyr Lys Gly Phe Pro Pro Lys Trp Ser Gly Arg Cys Gly Leu Gly
 305 310 315 320
 Tyr Leu Val Pro Ser Leu Thr Arg Tyr Leu Thr Leu Asn Ala Ser Gln
 325 330 335
 Ile Thr Asn Leu Arg Ser Phe Ile His Lys Val Thr Pro His Arg Cys
 340 345 350
 Thr Gln Gly Asp Thr Asp Asn Pro Pro Leu Tyr Cys Asn Pro Lys Asp
 355 360 365
 Asn Ser Thr Ile Arg Ala Leu Phe Pro Ser Leu Gly Thr Tyr Asp Leu
 370 375 380
 Glu Lys Ala Ile Leu Asn Ile Ser Lys Ala Met Glu Gln Glu Phe Ser
 385 390 395 400
 Ala Thr Lys Gln Thr Leu Glu Ala His Gln Ser Lys Val Ser Ser Leu
 405 410 415
 Ala Ser Ala Ser Arg Lys Asp His Val Leu Asp Ile Pro Thr Thr Gln
 420 425 430
 Arg Gln Thr Ala Cys Gly Thr Val Gly Lys Gln Cys Cys Leu Tyr Ile
 435 440 445
 Asn Tyr Ser Glu Glu Ile Lys Ser Asn Ile Gln Arg Leu His Glu Ala
 450 455 460
 Ser Glu Asn Leu Lys Asn Val Pro Leu Leu Asp Trp Gln Gly Ile Phe
 465 470 475 480
 Ala Lys Val Gly Asp Trp Phe Arg Ser Trp Gly Tyr Val Leu Leu Ile
 485 490 495
 Val Leu Phe Cys Leu Phe Ile Phe Val Leu Ile Tyr Val Arg Val Phe
 500 505 510

Arg Lys Ser Arg Arg Ser Leu Asn Ser Gln Pro Leu Asn Leu Ala Leu
 515 520 525

Ser Pro Gln Gln Ser Ala Gln Leu Leu Val Ser Glu Thr Ser Cys Gln
 530 535 540

Val Ser Asn Arg Ala Met Lys Gly Leu Thr Thr His Gln Tyr Asp Thr
 545 550 555 560

Ser Leu Leu

<210> 2085

<211> 599

<212> PRT

<213> Homo sapiens

<400> 2085

Met Glu Leu Leu Gly Pro Val Pro Pro Glu Gln Gln Phe Ile Asn Gln
 1 5 10 15

Lys Met Arg Pro Gly Ser Gly Met Leu Ser Ile Arg Val Ile Pro Asp
 20 25 30

Gly Pro Thr Arg Ala Leu Gln Ile Thr Asp Phe Cys His Arg Lys Ser
 35 40 45

Ser Arg Ser Tyr Glu Val Asp Glu Leu Pro Val Thr Glu Gln Glu Leu
 50 55 60

Gln Lys Leu Lys Asn Pro Asp Thr Glu Gln Glu Leu Glu Val Leu Val
 65 70 75 80

Arg Leu Glu Gly Gly Ile Gly Leu Ser Leu Ile Asn Lys Val Pro Glu
 85 90 95

Glu Leu Val Phe Ala Ser Leu Thr Gly Ile Asn Val His Tyr Thr Gln
 100 105 110

Leu Ala Thr Ser His Met Leu Glu Leu Ser Ile Gln Asp Val Gln Val
 115 120 125

Asp Asn Gln Leu Ile Gly Thr Thr Gln Pro Phe Met Leu Tyr Val Thr
 130 135 140

Pro Leu Ser Asn Glu Asn Glu Val Ile Glu Thr Gly Pro Ala Val Gln
 145 150 155 160

Val Asn Ala Val Lys Phe Pro Ser Lys Ser Ala Leu Thr Asn Ile Tyr
 165 170 175

Lys His Leu Met Ile Thr Ala Gln Arg Phe Thr Val Gln Ile Glu Glu
 180 185 190

Lys Leu Leu Leu Lys Leu Leu Ser Phe Phe Gly Tyr Asp Gln Ala Glu
 195 200 205

Ser Glu Val Glu Lys Tyr Asp Glu Asn Leu His Glu Lys Thr Ala Glu

210	215	220														
Gln	Gly	Gly	Thr	Pro	Ile	Arg	Tyr	Tyr	Phe	Glu	Asn	Leu	Lys	Ile	Ser	
225					230					235						240
Ile	Pro	Gln	Ile	Lys	Leu	Ser	Val	Phe	Thr	Ser	Asn	Lys	Leu	Pro	Leu	
					245				250						255	
Asp	Leu	Lys	Ala	Leu	Lys	Ser	Thr	Leu	Gly	Phe	Pro	Leu	Ile	Arg	Phe	
					260			265						270		
Glu	Asp	Ala	Val	Ile	Asn	Leu	Asp	Pro	Phe	Thr	Arg	Val	His	Pro	Tyr	
					275			280				285				
Glu	Thr	Lys	Glu	Phe	Ile	Ile	Asn	Asp	Ile	Leu	Lys	His	Phe	Gln	Glu	
					290			295			300					
Glu	Leu	Leu	Ser	Gln	Ala	Ala	Arg	Ile	Leu	Gly	Ser	Val	Asp	Phe	Leu	
					305			310			315				320	
Gly	Asn	Pro	Met	Gly	Leu	Leu	Asn	Asp	Val	Ser	Glu	Gly	Val	Thr	Gly	
					325				330				335			
Leu	Ile	Lys	Tyr	Gly	Asn	Val	Gly	Gly	Leu	Ile	Arg	Asn	Val	Thr	His	
					340			345			350					
Gly	Val	Ser	Asn	Ser	Ala	Gly	Lys	Phe	Ala	Gly	Thr	Leu	Ser	Asp	Gly	
					355			360			365					
Leu	Gly	Lys	Thr	Met	Asp	Asn	Arg	His	Gln	Ser	Glu	Arg	Glu	Tyr	Ile	
					370			375			380					
Arg	Tyr	His	Ala	Ala	Thr	Ser	Gly	Glu	His	Leu	Val	Ala	Gly	Ile	His	
					385			390			395				400	
Gly	Leu	Ala	His	Gly	Ile	Ile	Gly	Gly	Leu	Thr	Ser	Val	Ile	Thr	Ser	
					405				410				415			
Thr	Val	Glu	Gly	Val	Lys	Thr	Glu	Gly	Gly	Val	Ser	Gly	Phe	Ile	Ser	
					420			425				430				
Gly	Leu	Gly	Lys	Gly	Leu	Val	Gly	Thr	Val	Thr	Lys	Pro	Val	Ala	Gly	
					435			440				445				
Ala	Leu	Asp	Phe	Ala	Ser	Glu	Thr	Ala	Gln	Ala	Val	Arg	Asp	Thr	Ala	
					450			455			460					
Thr	Leu	Ser	Gly	Pro	Arg	Thr	Gln	Ala	Gln	Arg	Val	Arg	Lys	Pro	Arg	
					465			470			475				480	
Cys	Cys	Thr	Gly	Pro	Gln	Gly	Leu	Leu	Pro	Arg	Tyr	Ser	Glu	Ser	Gln	
					485				490				495			
Ala	Glu	Gly	Gln	Glu	Gln	Leu	Phe	Lys	Leu	Thr	Asp	Asn	Ile	Gln	Asp	
					500				505				510			
Glu	Phe	Phe	Ile	Ala	Val	Glu	Asn	Ile	Asp	Ser	Tyr	Cys	Val	Leu	Ile	
					515			520				525				
Ser	Ser	Lys	Ala	Val	Tyr	Phe	Leu	Lys	Ser	Gly	Asp	Tyr	Val	Asp	Arg	

530	535	540
Glu Ala Ile Phe Leu Glu Val Lys Tyr Asp Asp	Leu Leu Pro Leu Pro	
545	550	555
Cys Leu Gln Arg Pro Trp Glu Gly Val Cys Ala Gly Asp Gln Glu Ser		
565	570	575
Arg Glu His Glu Gln Trp Ser Val His Pro Arg Pro Leu Pro Pro Glu		
580	585	590
Ala His Gly Pro Cys Glu Ile		
595		

<210> 2086

<211> 239

<212> PRT

<213> Homo sapiens

<400> 2086

Met Ala Pro Leu Leu Pro Ser Leu Pro Leu His	Leu His Thr Ser Leu	
1	5	10
		15

Cys Leu Arg Leu Cys Leu Ser Leu Ser Leu Ser Ala	Trp Leu Ser Trp	
20	25	30

Ser Leu Pro Leu Cys Val Ser Leu Ser Ala Ser Tyr	Pro Ala Trp Arg	
35	40	45

Leu Leu Pro Gln Leu His Gly Arg Ser Arg Glu Gln Arg	Tyr Thr Lys	
50	55	60

Leu Ala Asp Trp Gln Tyr Ile Glu Glu Cys Val Gln Ala Ala Ser Pro		
65	70	75
		80

Met Pro Leu Phe Gly Asn Gly Asp Ile Leu Ser Phe Glu Asp Ala Asn		
85	90	95

Arg Ala Met Gln Thr Gly Val Thr Ile Met Ile Ala Arg Gly Ala		
100	105	110

Leu Leu Lys Pro Trp Leu Phe Thr Glu Ile Lys Glu Gln Arg His Trp		
115	120	125

Asp Ile Ser Ser Ser Glu Arg Leu Asp Ile Leu Arg Asp Phe Thr Asn		
130	135	140

Tyr Gly Leu Glu His Trp Gly Ser Asp Thr Gln Gly Val Glu Lys Thr		
145	150	155
		160

Arg Arg Phe Leu Leu Glu Trp Leu Ser Phe Leu Cys Arg Tyr Val Pro		
165	170	175

Val Gly Leu Leu Glu Arg Leu Pro Gln Arg Ile Asn Glu Arg Pro Pro		
180	185	190

Tyr Tyr Leu Gly Arg Asp Tyr Leu Glu Thr Leu Met Ala Ser Gln Lys		
195	200	205

Ala Ala Asp Trp Ile Arg Ile Ser Glu Met Leu Leu Gly Pro Val Pro
 210 215 220

Pro Ser Phe Ala Phe Leu Pro Lys His Lys Ala Asn Ala Tyr Lys
 225 230 235

<210> 2087

<211> 127

<212> PRT

<213> Homo sapiens

<400> 2087

Met Ala Gln Tyr Ile Leu Val Ile Ile Leu Ile Ser Phe Cys Ser Asp
 1 5 10 15

Ser Leu Ser Gly Arg Ala Gln Asn Gly Thr Glu Ile Asn Gln Thr Val
 20 25 30

Ile Leu Ile Cys Ser Leu Arg Phe Phe Lys Ser Glu Ala Ile Asp Ala
 35 40 45

Cys Leu Met His Pro His Thr Ala Cys Leu Thr Gly Asp Ala Thr Leu
 50 55 60

Leu Ser Ser Ser Ala Met Lys His Lys Arg Gln Arg Lys Ser Arg Tyr
 65 70 75 80

Thr Ser His Arg Glu His Phe Arg Val Pro Gln Arg Trp Trp Gln Glu
 85 90 95

Ala His Ser Arg Val Ser Ile Arg Val Cys Val Trp Val Ser Gly Ile
 100 105 110

Ser Val Ala Pro Ile Phe Leu His Cys Ser Glu His Pro Val Leu
 115 120 125

<210> 2088

<211> 138

<212> PRT

<213> Homo sapiens

<400> 2088

Met Lys Met Met Val Val Leu Leu Met Leu Ser Ser Leu Ser Arg Leu
 1 5 10 15

Leu Gly Leu Met Arg Pro Ser Ser Leu Arg Gln Tyr Leu Asp Ser Val
 20 25 30

Pro Leu Pro Pro Cys Gln Glu Gln Gln Pro Lys Ala Ser Ala Glu Leu
 35 40 45

Asp His Lys Ala Cys Tyr Leu Cys His Ser Leu Leu Met Leu Ala Gly
 50 55 60

Val Val Val Ser Cys Gln Asp Ile Thr Pro Asp Gln Trp Gly Glu Leu

65	70	75	80
Gln Leu Leu Cys Met Gln Leu Asp Arg His Ile Ser Thr Gln Ile Arg			
	85	90	95
Glu Ser Pro Gln Ala Met His Arg Thr Met Leu Lys Asp Leu Ala Thr			
	100	105	110
Gln Thr Tyr Ile Arg Trp Gln Glu Leu Leu Thr His Cys Gln Pro Gln			
	115	120	125
Ala Gln Tyr Phe Ser Pro Trp Lys Asp Ile			
	130	135	

<210> 2089

<211> 132

<212> PRT

<213> Homo sapiens

<400> 2089

Met Glu Ile Tyr Leu Ser Leu Gly Val Leu Ala Leu Gly Thr Leu Ser
1 5 10 15

Leu Leu Ala Val Thr Ser Leu Pro Ser Ile Ala Asn Ser Leu Asn Trp
20 25 30

Arg Glu Phe Ser Phe Val Gln Ser Ser Leu Gly Phe Val Ala Leu Val
35 40 45

Glu Ser Arg Tyr Lys Phe Tyr Leu Pro Pro Thr Phe Thr Leu Thr Leu
65 70 75 80

Leu Val Pro Cys Val Val Ile Leu Ala Lys Ala Leu Phe Leu Leu Pro

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100 105 110

115 120 125

130

<210> 2090

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (107

<223> Xaa ε

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2090

Met	Phe	Leu	Leu	Arg	Pro	Leu	Pro	Ile	Leu	Leu	Val	Thr	Gly	Gly	Gly
1															

Tyr	Ala	Gly	Tyr	Arg	Gln	Tyr	Glu	Lys	Tyr	Arg	Glu	Arg	Glu	Leu	Glu
20															30

Lys	Leu	Gly	Leu	Glu	Ile	Pro	Pro	Lys	Leu	Ala	Gly	His	Trp	Glu	Val
35															45

Ala	Leu	Tyr	Lys	Ser	Val	Pro	Thr	Arg	Leu	Leu	Ser	Arg	Ala	Trp	Gly
50															60

Arg	Leu	Asn	Gln	Val	Glu	Leu	Pro	His	Trp	Leu	Arg	Arg	Pro	Val	Tyr
65															80

Ser	Leu	Tyr	Ile	Trp	Thr	Phe	Gly	Val	Asn	Met	Lys	Glu	Ala	Ala	Val
85															95

Glu	Asp	Leu	His	His	Tyr	Arg	Asn	Leu	Ser	Xaa	Phe	Xaa	Arg	Arg	Lys
100															110

Leu	Lys	Ala	Xaa	Gly	Pro	Ala	Cys	Leu	Trp	Pro	Ala	Gln	Arg	Asp	
115															125

<210> 2091
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2091

Met	Phe	Leu	Leu	Arg	Pro	Leu	Pro	Ile	Leu	Leu	Val	Thr	Gly	Gly	Gly
1															
															15

Tyr	Ala	Gly	Tyr	Arg	Gln	Tyr	Glu	Lys	Tyr	Arg	Glu	Arg	Glu	Leu	Glu
20															30

Lys	Leu	Gly	Leu	Glu	Ile	Pro	Pro	Lys	Leu	Ala	Gly	His	Trp	Glu	Val
35															45

Ala	Leu	Tyr	Lys	Ser	Val	Pro	Thr	Arg	Leu	Leu	Ser	Arg	Ala	Trp	Gly
50															60

Arg Leu Asn Gln Val Glu Leu Pro His Trp Leu Arg Arg Pro Val Tyr
 65 . 70 75 80

Ser Leu Tyr Ile Trp Thr Xaa Gly Gly
 85

<210> 2092

<211> 90

<212> PRT

<213> Homo sapiens

<400> 2092

Met Asp Trp Ala Val Leu Thr Val Val Leu Gly Pro Cys Val Pro Gly
 1 . 5 10 15

Leu Ser Gly Ser Pro Pro Trp Pro Leu Pro Ser Ser His Leu Leu Glu
 20 . 25 30

Ala Lys Leu Cys Glu Thr Trp His Ser Phe Gln Thr Ser Val Pro Pro
 35 . 40 45

Arg Pro Cys Ala Gly Val Thr Pro Glu Leu Arg Met Ser Ala Arg Ser
 50 . 55 60

Arg Gln Tyr Arg Glu Gly Thr Gln Arg Lys Ala Ser Gln Leu Ser Lys
 65 . 70 75 80

Asp Arg Asp Arg Leu Trp Ser Gly Arg Ala
 85 . 90

<210> 2093

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2093

Met Ala Ala Pro Ala Leu Gly Leu Val Cys Gly Arg Cys Pro Glu Leu
 1 . 5 10 15

Gly Leu Val Leu Leu Leu Leu Leu Ser Leu Leu Cys Gly Ala Ala
 20 . 25 30

Gly Ser Gln Glu Ala Gly Thr Gly Ala Gly Ser Leu Ala Gly
 35 . 40 45

Ser Cys Gly Cys Gly Thr Pro Gln Arg Pro Gly Ala His Gly Ser Ser
 50 55 60

Ala Ala Ala His Arg Tyr Ser Arg Glu Ala Asn Ala Pro Gly Pro Val
 65 70 75 80

Pro Gly Glu Arg Gln Leu Ala His Ser Lys Val Leu His Arg Phe Leu
 85 90 95

Arg Xaa Gly Xaa Gly Leu Leu Gly Ser Trp Thr Gly Leu Glu
 100 105 110

<210> 2094

<211> 374

<212> PRT

<213> Homo sapiens

<400> 2094

Met Ala Ala Pro Ala Leu Gly Leu Val Cys Gly Arg Cys Pro Glu Leu
 1 5 10 15

Gly Leu Val Leu Leu Leu Leu Ser Leu Leu Cys Gly Ala Ala
 20 25 30

Gly Ser Gln Glu Ala Gly Thr Gly Ala Gly Ser Leu Ala Gly
 35 40 45

Ser Cys Gly Cys Gly Thr Pro Gln Arg Pro Gly Ala His Gly Ser Ser
 50 55 60

Ala Ala Ala His Arg Tyr Ser Arg Glu Ala Asn Ala Pro Gly Pro Val
 65 70 75 80

Pro Gly Glu Arg Gln Leu Ala His Ser Lys Met Val Pro Ile Pro Ala
 85 90 95

Gly Val Phe Thr Met Gly Thr Asp Asp Pro Gln Ile Lys Gln Asp Gly
 100 105 110

Glu Ala Pro Ala Arg Arg Val Thr Ile Asp Ala Phe Tyr Met Asp Ala
 115 120 125

Tyr Glu Val Ser Asn Thr Glu Phe Glu Lys Phe Val Asn Ser Thr Gly
 130 135 140

Tyr Leu Thr Glu Ala Glu Lys Phe Gly Asp Ser Phe Val Phe Glu Gly
 145 150 155 160

Met Leu Ser Glu Gln Val Lys Thr Asn Ile Gln Gln Ala Val Ala Ala
 165 170 175

Ala Pro Trp Trp Leu Pro Val Lys Gly Ala Asn Trp Arg His Pro Glu
 180 185 190

Gly Pro Asp Ser Thr Ile Leu His Arg Pro Asp His Pro Val Leu His
 195 200 205

Val Ser Trp Asn Asp Ala Val Ala Tyr Cys Thr Trp Ala Gly Lys Arg

210	215	220
Leu Pro Thr Glu Ala Glu Trp Glu Tyr Ser Cys Arg Gly Gly Leu His		
225	230	235
Asn Arg Leu Phe Pro Trp Gly Asn Lys Leu Gln Pro Lys Gly Gln His		
245	250	255
Tyr Ala Asn Ile Trp Gln Gly Glu Phe Pro Val Thr Asn Thr Gly Glu		
260	265	270
Asp Gly Phe Gln Gly Thr Ala Pro Val Asp Ala Phe Pro Pro Asn Gly		
275	280	285
Tyr Gly Leu Tyr Asn Ile Val Gly Asn Ala Trp Glu Trp Thr Ser Asp		
290	295	300
Trp Trp Thr Val His His Ser Val Glu Glu Thr Leu Asn Pro Lys Gly		
305	310	315
Pro Pro Ser Gly Lys Asp Arg Val Lys Lys Gly Gly Ser Tyr Met Cys		
325	330	335
His Arg Ser Tyr Cys Tyr Arg Tyr Arg Cys Ala Ala Arg Ser Gln Asn		
340	345	350
Thr Pro Asp Ser Ser Ala Ser Asn Leu Gly Phe Arg Cys Ala Ala Asp		
355	360	365
Arg Leu Pro Thr Met Asp		
370		

<210> 2095

<211> 53

<212> PRT

<213> Homo sapiens

<400> 2095

Met Ser Thr Phe Val Cys Val Cys Val Phe Cys Phe Val Leu Arg Ser		
1	5	10
		15

Glu Ala Arg Ala Lys Arg Lys Gln Asp Gln Arg Asn Thr Lys Arg Cys		
20	25	30

Leu Leu Thr Lys Gly Gln Arg Asp Leu Ser Val Asn Gln Ser Lys Ile		
35	40	45

Asn Arg Thr Ala Asn	
50	

<210> 2096

<211> 215

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2096

Met	Leu	Pro	Trp	Thr	Ala	Xaa	Gly	Leu	Ala	Leu	Ser	Leu	Arg	Leu	Ala
1					5				10				15		

Leu	Ala	Arg	Ser	Gly	Ala	Glu	Arg	Gly	Pro	Pro	Ala	Ser	Ala	Pro	Arg
					20			25				30			

Gly	Asp	Leu	Met	Phe	Leu	Leu	Asp	Ser	Ser	Ala	Ser	Val	Ser	His	Tyr
						35		40				45			

Glu	Phe	Ser	Arg	Val	Arg	Glu	Phe	Val	Gly	Gln	Leu	Val	Ala	Pro	Leu
					50			55			60				

Pro	Leu	Gly	Thr	Gly	Ala	Leu	Arg	Ala	Ser	Leu	Val	His	Val	Gly	Ser
					65			70		75		80			

Arg	Pro	Tyr	Thr	Glu	Phe	Pro	Phe	Gly	Gln	His	Ser	Ser	Gly	Glu	Ala
					85			90			95				

Ala	Gln	Asp	Ala	Val	Arg	Ala	Ser	Ala	Gln	Arg	Met	Gly	Asp	Thr	His
					100			105			110				

Thr	Gly	Leu	Ala	Leu	Val	Tyr	Ala	Lys	Glu	Gln	Leu	Phe	Ala	Glu	Ala
					115			120			125				

Ser	Gly	Ala	Arg	Pro	Gly	Val	Pro	Lys	Val	Leu	Val	Trp	Val	Thr	Asp
					130			135			140				

Gly	Gly	Ser	Ser	Asp	Pro	Val	Gly	Pro	Pro	Met	Gln	Glu	Leu	Lys	Asp
					145			150		155			160		

Leu	Gly	Val	Thr	Val	Phe	Ile	Val	Ser	Thr	Gly	Arg	Gly	Asn	Phe	Leu
					165			170			175				

Glu	Leu	Ser	Ala	Ala	Ala	Ser	Ala	Pro	Ala	Glu	Lys	His	Leu	His	Phe
						180			185			190			

Val	Asp	Val	Asp	Asp	Leu	His	Ile	Ile	Val	Gln	Glu	Leu	Arg	Gly	Ser
					195			200			205				

Ile	Leu	Asp	Ala	Met	Arg	Pro
				210		215

<210> 2097

<211> 127

<212> PRT

<213> Homo sapiens

<400> 2097

Met	Val	Pro	Gly	Ala	Ala	Gly	Trp	Cys	Cys	Leu	Val	Leu	Trp	Leu	Pro
1					5				10			15			

Ala	Cys	Val	Ala	Ala	His	Gly	Phe	Arg	Ile	His	Asp	Tyr	Leu	Tyr	Phe
					20			25			30				

Gln Val Leu Ser Pro Gly Asp Ile Arg Tyr Ile Phe Thr Ala Thr Pro
 35 40 45

Ala Lys Asp Phe Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His
 50 55 60

Leu Val Pro Ala Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly
 65 70 75 80

Phe Phe Ile Gln Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser
 85 90 95

Phe Leu Ser Lys Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val
 100 105 110

Ile Ile Ser Asp Asn Ala Leu Thr Met Thr Ala Ser Thr Trp Arg
 115 120 125

<210> 2098

<211> 188

<212> PRT

<213> Homo sapiens

<400> 2098

Met Val Pro Gly Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu Pro
 1 5 10 15

Ala Cys Val Ala Ala His Gly Phe Arg Ile His Asp Tyr Leu Tyr Phe
 20 25 30

Gln Val Leu Ser Pro Gly Asp Ile Arg Tyr Ile Phe Thr Ala Thr Pro
 35 40 45

Ala Lys Asp Phe Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His
 50 55 60

Leu Val Pro Ala Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly
 65 70 75 80

Phe Phe Ile Gln Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser
 85 90 95

Phe Leu Ser Lys Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val
 100 105 110

Ile Ile Ser Asp Asn Ala Val Asp Asn Asp Ser Phe Tyr Val Glu Met
 115 120 125

Ile Gln Asp Ser Thr Gln Arg Thr Ala Asp Ile Pro Ala Leu Phe Leu
 130 135 140

Leu Gly Arg Asp Gly Tyr Met Ile Arg Arg Ser Leu Glu Gln His Gly
 145 150 155 160

Leu Pro Trp Ala Ile Ile Ser Ile Pro Val Asn Val Thr Ser Ile Pro
 165 170 175

Thr Phe Glu Leu Leu Gln Pro Pro Trp Thr Phe Trp
 180 185

<210> 2099

<211> 72

<212> PRT

<213> Homo sapiens

<400> 2099

Met Leu Val Leu Phe Lys Phe Leu Pro Leu Thr Ser Ser Gly Arg Phe
 1 5 10 15

Leu Ser Val Thr Leu Tyr His Arg Val His His Gln Thr Phe Phe Ala
 20 25 30

Gly Ala Lys Ser Phe Ser Pro Ala Ser Thr Leu Asn Leu Tyr Ile Cys
 35 40 45

Ser Ser Gln Phe Gln Ser Leu Gln Lys Leu Tyr Cys Gly Val Ile Pro
 50 55 60

Val Leu Arg Tyr Ala Ser Ile Glu
 65 70

<210> 2100

<211> 112

<212> PRT

<213> Homo sapiens

<400> 2100

Met Ala Tyr Leu Thr Leu Phe Gln Met Gly Ser Trp Met Ser Phe Ser
 1 5 10 15

Leu Ser Leu Cys Ser Leu Leu Phe Ile Leu Thr Gly His Cys Leu Ser
 20 25 30

Glu Asn Phe Tyr Val Arg Gly Asp Gly Thr Arg Ala Tyr Phe Phe Thr
 35 40 45

Lys Gly Glu Val His Ser Met Phe Cys Lys Ala Ser Leu Asp Glu Lys
 50 55 60

Gln Asn Leu Val Asp Arg Arg Leu Gln Val Asn Arg Lys Lys Gln Val
 65 70 75 80

Lys Met His Arg Val Trp Ile Gln Gly Lys Phe Gln Lys Pro Leu His
 85 90 95

Gln Thr Gln Asn Ser Ser Asn Met Val Ser Thr Leu Leu Ser Gln Asp
 100 105 110

<210> 2101

<211> 80

<212> PRT

<213> Homo sapiens

<400> 2101

Met	Gly	Trp	Ile	Asp	Leu	Leu	Leu	Pro	Glu	Leu	Gly	Ala	Leu	Arg	Val
1					5				10					15	

Phe	Leu	His	Leu	Phe	Leu	Val	Ala	Leu	Arg	Thr	Lys	Arg	Trp	Ile	Phe
					20			25					30		

Arg	Thr	Leu	Gly	Gln	Leu	Thr	Cys	Val	Asn	Ile	Leu	Gly	Asp	Ser	Arg
						35		40			45				

Lys	Lys	Arg	Glu	Cys	Arg	Leu	Asn	Lys	Arg	Gln	Leu	Gln	Phe	Gly	Glu
						50		55		60					

Lys	Thr	Leu	Gln	Val	Pro	Glu	Arg	Leu	Val	Val	Arg	His	Ser	Pro	Phe
65					70				75				80		

<210> 2102

<211> 49

<212> PRT

<213> Homo sapiens

<400> 2102

Met	Gln	Val	Ser	Ser	Trp	Val	Val	Phe	Gln	Leu	Val	Trp	Asn	Ser	Leu
1					5				10			15			

Val	Leu	Thr	Gln	Thr	Gly	Ile	Lys	His	Tyr	Phe	Arg	Phe	Ser	Leu	Cys
						20		25				30			

Gln	Phe	Leu	Ser	Ser	Tyr	Asn	His	Val	Asn	Gln	Asp	Val	Arg	Thr	Ser
						35		40		45					

Ile

<210> 2103

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2103

Met	Ala	Gln	Val	Leu	Ala	Ser	Glu	Leu	Ser	Leu	Val	Ala	Phe	Ile	Leu
1					5				10			15			

Leu Leu Val Met Ala Phe Ser Lys Lys Trp Leu Asp Leu Ser Arg Ser
 20 25 30

Leu Phe Tyr Gln Arg Trp Pro Val Asp Val Ser Asn Arg Ile His Thr
 35 40 45

Ser Ala His Val Met Ser Met Gly Leu Leu His Phe Cys Lys Ser Arg
 50 55 60

Ser Cys Ser Asp Leu Glu Asn Gly Lys Val Thr Phe Ile Phe Ser Thr
 65 70 75 80

Leu Met Leu Phe Pro Ile Asn Ile Trp Ile Phe Glu Leu Glu Arg Asn
 85 90 95

Val Ser Ile Pro Ile Gly Trp Ser Tyr Phe Ile Gly Trp Leu Val Leu
 100 105 110

Ile Leu Tyr Phe Thr Cys Ala Ile Leu Cys Tyr Phe Asn His Lys Ser
 115 120 125

Phe Trp Ser Leu Ile Leu Ser His Pro Ser Gly Ala Val Ser Xaa Ser
 130 135 140

Ser Ser Phe Gly Ser Val Glu Glu Ser Pro Arg Ala Gln Thr Ile Thr
 145 150 155 160

Asp Thr Pro Ile Thr Gln Glu Gly Val Leu Asp Pro Glu Gln Lys Asp
 165 170 175

Thr His Val

<210> 2104

<211> 122

<212> PRT

<213> Homo sapiens

<400> 2104

Met Pro Pro Leu Ala Pro Gln Leu Cys Arg Ala Val Phe Leu Val Pro
 1 5 10 15

Ile Leu Leu Leu Leu Gln Val Lys Pro Leu Asn Gly Ser Pro Gly Pro
 20 25 30

Lys Asp Gly Ser Gln Thr Glu Lys Thr Pro Ser Ala Asp Gln Asn Gln
 35 40 45

Glu Gln Phe Glu Glu His Phe Val Ala Ser Ser Val Gly Glu Met Trp
 50 55 60

Gln Val Val Asp Met Ala Gln Gln Glu Glu Asp Gln Ser Ser Lys Thr
 65 70 75 80

Ala Ala Val His Lys His Ser Phe His Leu Ser Phe Cys Phe Ser Leu
 85 90 95

Ala Ser Val Met Val Phe Ser Gly Gly Pro Leu Arg Arg Thr Phe Pro

100

105

110

Asn Ile Gln Leu Cys Phe Met Leu Thr His
 115 120

<210> 2105

<211> 122

<212> PRT

<213> Homo sapiens

<400> 2105

Met Pro Pro Leu Ala Pro Gln Leu Cys Arg Ala Val Phe Leu Val Pro
 1 5 10 15

Ile Leu Leu Leu Leu Gln Val Lys Pro Leu Asn Gly Ser Pro Gly Pro
 20 25 30

Lys Asp Gly Ser Gln Thr Glu Lys Thr Pro Ser Ala Asp Gln Asn Gln
 35 40 45

Glu Gln Phe Glu Glu His Phe Val Ala Ser Ser Val Gly Glu Met Trp
 50 55 60

Gln Val Val Asp Met Ala Gln Gln Glu Glu Asp Gln Ser Ser Lys Thr
 65 70 75 80

Ala Ala Val His Lys His Ser Phe His Leu Ser Phe Cys Phe Ser Leu
 85 90 95

Ala Ser Val Met Val Phe Ser Gly Pro Leu Arg Arg Thr Phe Pro
 100 105 110

Asn Ile Gln Leu Cys Phe Met Leu Thr His
 115 120

<210> 2106

<211> 459

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (321)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (345)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2106

Met Gly Gly Pro Arg Ala Trp Ala Leu Leu Cys Leu Gly Leu Leu Leu
 1 5 10 15

Pro Gly Gly Gly Ala Ala Trp Ser Ile Gly Ala Ala Pro Phe Ser Gly
 20 25 30

Arg	Arg	Asn	Trp	Cys	Ser	Tyr	Val	Val	Thr	Arg	Thr	Ile	Ser	Cys	His
35							40					45			
Val	Gln	Asn	Gly	Thr	Tyr	Leu	Gln	Arg	Val	Leu	Gln	Asn	Cys	Pro	Trp
50						55				60					
Pro	Met	Ser	Cys	Pro	Gly	Ser	Ser	Tyr	Arg	Thr	Val	Val	Arg	Pro	Thr
65					70				75				80		
Tyr	Lys	Val	Met	Tyr	Lys	Ile	Val	Thr	Ala	Arg	Glu	Trp	Arg	Cys	Cys
		85					90				95				
Pro	Gly	His	Ser	Gly	Val	Ser	Cys	Glu	Glu	Val	Ala	Ala	Ser	Ser	Ala
		100				105					110				
Ser	Leu	Glu	Pro	Met	Trp	Ser	Gly	Ser	Thr	Met	Arg	Arg	Met	Ala	Leu
	115					120				125					
Arg	Pro	Thr	Ala	Phe	Ser	Gly	Cys	Leu	Asn	Cys	Ser	Lys	Val	Ser	Glu
	130					135					140				
Leu	Thr	Glu	Arg	Leu	Lys	Val	Leu	Gl <u>u</u>	Ala	Lys	Met	Thr	Met	Leu	Thr
	145					150				155			160		
Val	Ile	Glu	Gln	Pro	Val	Pro	Pro	Thr	Pro	Ala	Thr	Pro	Glu	Asp	Pro
		165				170				175					
Ala	Pro	Leu	Trp	Gly	Pro	Pro	Pro	Ala	Gln	Gly	Ser	Pro	Gly	Asp	Gly
		180				185					190				
Gly	Leu	Gln	Asp	Gln	Val	Gly	Ala	Trp	Gly	Leu	Pro	Gly	Pro	Thr	Gly
	195					200				205					
Pro	Lys	Gly	Asp	Ala	Gly	Ser	Arg	Gly	Pro	Met	Gly	Met	Arg	Gly	Pro
	210					215				220					
Pro	Gly	Pro	Gln	Gly	Pro	Pro	Gly	Ser	Pro	Gly	Arg	Ala	Gly	Ala	Val
	225					230			235			240			
Gly	Thr	Pro	Gly	Glu	Arg	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Pro	Pro	Gly
		245					250				255				
Pro	Pro	Gly	Pro	Pro	Ala	Pro	Val	Gly	Pro	Pro	His	Ala	Arg	Ile	Ser
		260					265				270				
Gln	His	Gly	Asp	Pro	Leu	Leu	Ser	Asn	Thr	Phe	Thr	Glu	Thr	Asn	Asn
		275				280					285				
His	Trp	Pro	Gln	Gly	Pro	Thr	Gly	Pro	Pro	Gly	Pro	Pro	Gly	Pro	Met
	290					295				300					
Gly	Pro	Pro	Gly	Pro	Pro	Gly	Pro	Thr	Gly	Val	Pro	Gly	Ser	Pro	Gly
	305					310				315			320		
Xaa	Ile	Gly	Pro	Pro	Gly	Pro	Thr	Gly	Pro	Lys	Gly	Ile	Ser	Gly	His
		325					330					335			
Pro	Gly	Glu	Lys	Gly	Glu	Lys	Xaa	Leu	Arg	Gly	Glu	Pro	Gly	Pro	
		340				345				350					

Gln Gly Ser Ala Gly Gln Arg Gly Glu Pro Gly Pro Lys Gly Asp Pro
355 360 365

Gly Glu Lys Ser His Trp Asn Gln Ser Trp Gly Leu Gly Gly Pro Cys
370 375 380

Arg His Arg His Pro Gln Pro Pro Ser Gly Gln Glu Gly Gly His Ala
385 390 395 400

Thr Asn Tyr Arg Asp Arg Gly Pro Gln Glu Pro Gly Arg Glu Arg Leu
405 410 415

Arg Val Val Ala Ala Pro Glu Ala Asp Gln Ala Arg Leu Pro Leu Leu
420 425 430

Pro Gly Leu Gly Gln Leu Pro Pro Gly Thr Ala Arg Pro Tyr Leu Leu
435 440 445

Met Ser Ser Gly Ser Leu Leu Pro Ser Arg Pro
450 455

<210> 2107

<211> 615

<212> PRT

<213> Homo sapiens

<400> 2107

Met Ile Leu Phe Leu Leu Ala Phe Leu Leu Phe Cys Gly Leu Leu Phe
1 5 10 15

Tyr Ile Asn Leu Ala Asp His Trp Lys Ala Leu Ala Phe Arg Leu Glu
 20 25 30

Glu Glu Gln Lys Met Arg Pro Glu Ile Ala Gly Leu Lys Pro Ala Asn
35 40 45

Leu Pro Glu Ile Ser Ser Gln Lys Thr Gln Arg His Ile Gln Arg Gly
65 70 75 80

Pro Pro His Leu Gln Ile Arg Pro Pro Ser Gln Asp Leu Lys Asp Gly
85 90 95

Thr Gln Glu Glu Ala Thr Lys Arg Gln Glu Ala Pro Val Asp Pro Arg
 100 105 110

Pro Glu Gly Asp Pro Gln Arg Thr Val Ile Ser Trp Arg Gly Ala Val
 115 120 - 125

Ile Glu Pro Glu Gln Gly Thr Glu Leu Pro Ser Arg Arg Ala Glu Val
 130 135 140

Pro Thr Lys Pro Pro Leu Pro Pro Ala Arg Thr Gln Gly Thr Pro Val
145 150 155 160

1383

His Leu Asn Tyr Arg Gln Lys Gly Val Ile Asp Val Phe Leu His Ala
 165 170 175

 Trp Lys Gly Tyr Arg Lys Phe Ala Trp Gly His Asp Glu Leu Lys Pro
 180 185 190

 Val Ser Arg Ser Phe Ser Glu Trp Phe Gly Leu Gly Leu Thr Leu Ile
 195 200 205

 Asp Ala Leu Asp Thr Met Trp Ile Leu Gly Leu Arg Lys Glu Phe Glu
 210 215 220

 Glu Ala Arg Lys Trp Val Ser Lys Lys Leu His Phe Glu Lys Asp Val
 225 230 235 240

 Asp Val Asn Leu Phe Glu Ser Thr Ile Arg Ile Leu Gly Gly Leu Leu
 245 250 255

 Ser Ala Tyr His Leu Ser Gly Asp Ser Leu Phe Leu Arg Lys Ala Glu
 260 265 270

 Asp Phe Gly Asn Arg Leu Met Pro Ala Phe Arg Thr Pro Ser Lys Ile
 275 280 285

 Pro Tyr Ser Asp Val Asn Ile Gly Thr Gly Val Ala His Pro Pro Arg
 290 295 300

 Trp Thr Ser Asp Ser Thr Val Ala Glu Val Thr Ser Ile Gln Leu Glu
 305 310 315 320

 Phe Arg Glu Leu Ser Arg Leu Thr Gly Asp Lys Lys Phe Gln Glu Ala
 325 330 335

 Val Glu Lys Val Thr Gln His Ile His Gly Leu Ser Gly Lys Lys Asp
 340 345 350

 Gly Leu Val Pro Met Phe Ile Asn Thr His Ser Gly Leu Phe Thr His
 355 360 365

 Leu Gly Val Phe Thr Leu Gly Ala Arg Ala Asp Ser Tyr Tyr Glu Tyr
 370 375 380

 Leu Leu Lys Gln Trp Ile Gln Gly Gly Lys Gln Glu Thr Gln Leu Leu
 385 390 395 400

 Glu Asp Tyr Val Glu Ala Ile Glu Gly Val Arg Thr His Leu Leu Arg
 405 410 415

 His Ser Glu Pro Ser Lys Leu Thr Phe Val Gly Glu Leu Ala His Gly
 420 425 430

 Arg Phe Ser Ala Lys Met Asp His Leu Val Cys Phe Leu Pro Gly Thr
 435 440 445

 Leu Ala Leu Gly Val Tyr His Gly Leu Pro Ala Ser His Met Glu Leu
 450 455 460

 Ala Gln Glu Leu Met Glu Thr Cys Tyr Gln Met Asn Arg Gln Met Glu
 465 470 475 480

Thr Gly Leu Ser Pro Glu Ile Val His Phe Asn Leu Tyr Pro Gln Pro
485 490 495

Gly Arg Arg Asp Val Glu Val Lys Pro Ala Asp Arg His Asn Leu Leu
500 505 510

Arg Pro Glu Thr Val Glu Ser Leu Phe Tyr Leu Tyr Arg Val Thr Gly
515 520 525

Asp Arg Lys Tyr Gln Asp Trp Gly Trp Glu Ile Leu Gln Ser Phe Ser
530 535 540

Arg Phe Thr Arg Val Pro Ser Gly Gly Tyr Ser Ser Ile Asn Asn Val
545 550 555 560

Gln Asp Pro Gln Lys Pro Glu Pro Arg Asp Lys Met Glu Ser Phe Phe
565 570 575

Leu Gly Glu Thr Leu Lys Tyr Leu Phe Leu Leu Phe Ser Asp Asp Pro
580 585 590

Asn Leu Leu Ser Leu Asp Ala Tyr Val Phe Asn Thr Glu Ala His Pro
595 600 605

Leu Pro Ile Trp Thr Pro Ala
610 615

<210> 2108

<211> 404

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (175)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (192)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (210)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (236)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (239)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (309)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (335)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (389)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2108
Met His Pro Ile Pro Ser Ser Phe Met Ile Lys Ala Val Ser Ser Phe
1 5 10 15

Leu Thr Ala Glu Glu Ala Ser Val Gly Asn Pro Glu Gly Ala Phe Met
20 25 30

Lys Val Leu Gln Ala Arg Lys Asn Xaa Thr Ser Thr Glu Leu Ile Val
 35 40 45
 Glu Pro Glu Glu Pro Ser Asp Ser Ser Gly Ile Asn Leu Ser Gly Phe
 50 55 60
 Gly Ser Glu Gln Leu Asp Thr Asn Asp Glu Ser Asp Xaa Ile Ser Thr
 65 70 75 80
 Leu Ser Tyr Ile Leu Pro Tyr Phe Ser Ala Val Asn Leu Asp Val Xaa
 85 90 95
 Ser Xaa Leu Leu Pro Phe Ile Lys Leu Pro Thr Xaa Gly Asn Ser Leu
 100 105 110
 Ala Lys Ile Gln Thr Val Gly Gln Asn Xaa Gln Xaa Val Xaa Arg Val
 115 120 125
 Leu Met Gly Pro Arg Ser Ile Gln Lys Arg His Phe Lys Glu Val Gly
 130 135 140
 Arg Gln Ser Ile Arg Arg Glu Gln Gly Ala Gln Ala Ser Val Glu Asn
 145 150 155 160
 Ala Ala Glu Glu Lys Arg Leu Gly Ser Pro Ala Pro Arg Glu Xaa Glu
 165 170 175
 Gln Pro His Thr Gln Gln Gly Pro Glu Lys Leu Ala Gly Asn Ala Xaa
 180 185 190
 Tyr Thr Lys Pro Ser Phe Thr Gln Glu His Lys Ala Ala Val Ser Val
 195 200 205
 Leu Xaa Pro Phe Ser Lys Gly Ala Pro Ser Thr Ser Ser Pro Ala Lys
 210 215 220
 Ala Leu Pro Gln Val Arg Asp Arg Trp Lys Asp Xaa Thr His Xaa Ile
 225 230 235 240
 Ser Ile Leu Glu Ser Ala Lys Ala Arg Val Thr Asn Met Lys Ala Ser
 245 250 255
 Lys Pro Ile Ser His Ser Arg Lys Lys Tyr Arg Phe His Lys Thr Arg
 260 265 270
 Ser Arg Met Thr His Arg Thr Pro Lys Val Lys Lys Ser Pro Lys Phe
 275 280 285
 Arg Lys Lys Ser Tyr Leu Ser Arg Leu Met Leu Ala Asn Arg Pro Pro
 290 295 300
 Phe Ser Ala Ala Xaa Ser Leu Ile Asn Ser Pro Ser Gln Gly Ala Phe
 305 310 315 320
 Ser Ser Leu Gly Asp Leu Ser Pro Gln Glu Asn Pro Phe Leu Xaa Val
 325 330 335
 Ser Ala Pro Ser Glu His Phe Ile Glu Thr Thr Asn Ile Lys Asp Thr
 340 345 350

Thr Ala Arg Asn Ala Leu Glu Glu Asn Val Phe Met Glu Asn Thr Asn
355 360 365

Glu Ala Asp Ser Xaa Gly Thr Ala Phe Asn Leu Gly Pro Thr Val Lys
 385 390 395 400

Gln Thr Glu Thr

<210> 2109

<211> 45

<212> PRT

<213> Homo sapiens

<400> 2109

Met Val Thr Ser Gly Met Leu Val Phe Ser Ile Lys Thr Phe Ser Ser
1 5 10 15

Lys Ala Phe Leu Ala Val Val Ser Phe Ile Leu Val Val Ser Ile Lys
20 25 . . . 30

Cys Ser Glu Gly Ala Asp Thr Ser Arg Lys Gly Phe Ser
35 40 45

<210> 2110

<211> 45

<212> PRT

<213> Homo sapiens

<400> 2110

Met	Val	Thr	Ser	Gly	Met	Leu	Val	Phe	Ser	Ile	Lys	Thr	Phe	Ser	Ser
1					5				10					15	

Lys Ala Phe Leu Ala Val Val Ser Phe Ile Leu Val Val Ser Ile Lys
20 25 30

Cys Ser Glu Gly Ala Asp Thr Ser Arg Lys Gly Phe Ser
 . 35 40 45

<210> 2111

. <211> 257

<212> PRT

<213> Homo sapiens

<400> 2111

Met Glu Met Ile Ile Gln Phe Gly Phe Val Thr Leu Phe Val Ala Ser
 1 5 10 15

Phe Pro Leu Ala Pro Leu Phe Ala Leu Leu Asn Asn Ile Ile Glu Ile
20 25 30

Arg Leu Asp Ala Lys Lys Phe Val Thr Glu Leu Arg Arg Pro Val Ala
 35 40 45

 Val Arg Ala Lys Asp Ile Gly Ile Trp Tyr Asn Ile Leu Arg Gly Ile
 50 55 60

 Gly Lys Leu Ala Val Ile Ile Asn Ala Phe Val Ile Ser Phe Thr Ser
 65 70 75 80

 Asp Phe Ile Pro Arg Leu Val Tyr Leu Tyr Met Tyr Ser Lys Asn Gly
 85 90 95

 Thr Met His Gly Phe Val Asn His Thr Leu Ser Ser Phe Asn Val Ser
 100 105 110

 Asp Phe Gln Asn Gly Thr Ala Pro Asn Asp Pro Leu Asp Leu Gly Tyr
 115 120 125

 Glu Val Gln Ile Cys Arg Tyr Lys Asp Tyr Arg Glu Pro Pro Trp Ser
 130 135 140

 Glu Asn Lys Tyr Asp Ile Ser Lys Asp Phe Trp Ala Val Leu Ala Ala
 145 150 155 160

 Arg Leu Ala Phe Val Ile Val Phe Gln Asn Leu Val Met Phe Met Ser
 165 170 175

 Asp Phe Val Asp Trp Val Ile Pro Asp Ile Pro Lys Asp Ile Ser Gln
 180 185 190

 Gln Ile His Lys Glu Lys Val Leu Met Val Glu Leu Phe Met Arg Glu
 195 200 205

 Glu Gln Asp Lys Gln Gln Leu Leu Glu Thr Trp Met Glu Lys Glu Arg
 210 215 220

 Gln Lys Asp Glu Pro Pro Cys Asn His His Asn Thr Lys Ala Cys Pro
 225 230 235 240

 Asp Ser Leu Gly Ser Pro Ala Pro Ser His Ala Tyr His Gly Gly Val
 245 250 255

 Leu

<210> 2112
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 2112
 Met Thr His Gly Cys Leu Ser Leu Ala Ser Met Ala Ala Gly Leu Gly
 1 5 10 15

 Ser Val Ser Leu Phe Leu Phe Val Gln Gln Trp Thr Pro Thr Thr Ala
 20 25 30

Ser Thr Gly Glu Thr Pro Ser Ser Trp Gln Lys Thr Thr Ser Cys Val
 35 40 45

Arg Arg
 50

<210> 2113
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 2113
 Met Thr His Gly Cys Leu Ser Leu Ala Ser Met Ala Ala Gly Leu Gly
 1 5 10 15

Ser Val Ser Leu Phe Leu Phe Val Gln Gln Trp Thr Pro Thr Thr Ala
 20 25 30

Ser Thr Gly Glu Thr Pro Ser Ser Trp Gln Lys Thr Thr Ser Cys Val
 35 40 45

Arg Arg
 50

<210> 2114
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 2114
 Met Val Leu Leu Leu Leu Leu Leu Gln Lys Ile Pro Gly Thr Pro
 1 5 10 15

Leu Phe Gln Pro Gly Phe Leu Gly Trp Ala Gln Glu Ser Cys Gln Ile
 20 25 30

Gln Ser Tyr Val Gly Ser Lys Leu Pro Leu Cys Cys Phe Cys Gln Ala
 35 40 45

Arg Cys Gly His Ser Lys Phe Ile Cys Val Asn Lys Arg Lys Glu Glu
 50 55 60

Pro Ser Gly Cys Asn Arg Thr Asp Ser Ser
 65 70

<210> 2115
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 2115
 Met Trp Pro Trp Trp Leu Met Val Glu Arg Thr Val Val Leu Leu Leu
 1 5 10 15

Ile	Thr	Tyr	Leu	Val	Pro	Val	Gly	Gly	Ser	Ala	Val	Gly	Pro	Pro	Gly
					20				25				30		
Pro	Gly	Cys	Asn	Val	Ser	Thr	Ser	Pro	Pro	Pro	Pro	Ala	Thr	Arg	Cys
					35			40				45			
Pro	Asp	Glu	Ser	Glu	Leu	Tyr	Arg	Asp	Pro	Gly	Glu	Ala	Pro	Leu	Glu
					50			55			60				
Ala	Asp	Gln	Ala	Glu	Arg	Gly	Ala	Ala	His	Glu	Gly	Gly	His	Pro	Gly
					65			70			75		80		
Arg	Asp	Pro	Trp	Gly	Ala	Arg	Arg	Gly	Pro	Pro	Arg	Cys	Gly		
					85			90							

<210> 2116

<211> 180

<212> PRT

<213> Homo sapiens

<400> 2116

Met	Ala	Ile	Cys	Ser	Cys	Gln	Cys	Pro	Ala	Ala	Met	Ala	Phe	Cys	Phe
1					5				10				15		

Leu	Glu	Thr	Leu	Trp	Trp	Glu	Phe	Thr	Ala	Ser	Tyr	Asp	Thr	Thr	Cys
					20			25				30			

Ile	Gly	Leu	Ala	Ser	Arg	Pro	Tyr	Ala	Phe	Leu	Glu	Phe	Asp	Ser	Ile
					35			40				45			

Ile	Gln	Lys	Val	Lys	Trp	His	Phe	Asn	Tyr	Val	Ser	Ser	Ser	Gln	Met
					50			55			60				

Glu	Cys	Ser	Leu	Glu	Lys	Ile	Gln	Glu	Leu	Lys	Leu	Gln	Pro	Pro
					65			70			75		80	

Ala	Val	Leu	Thr	Leu	Glu	Asp	Thr	Asp	Val	Ala	Asn	Gly	Val	Met	Asn
					85			90				95			

Gly	His	Thr	Pro	Met	His	Leu	Glu	Pro	Ala	Pro	Asn	Phe	Arg	Met	Glu
					100			105			110				

Pro	Val	Thr	Ala	Leu	Gly	Ile	Leu	Ser	Leu	Ile	Leu	Asn	Ile	Met	Cys
					115			120			125				

Ala	Ala	Leu	Asn	Leu	Ile	Arg	Gly	Val	His	Leu	Ala	Glu	His	Ser	Leu
					130			135			140				

Gln	Val	Ala	His	Glu	Glu	Ile	Gly	Asn	Ile	Leu	Ala	Phe	Leu	Val	Pro
					145			150			155		160		

Phe	Val	Ala	Cys	Ile	Phe	Gln	Asp	Pro	Arg	Ser	Trp	Phe	Cys	Trp	Leu
					165			170			175				

Asp	Gln	Thr	Ser
		180	

<210> 2117

<211> 80

<212> PRT

<213> Homo sapiens

<400> 2117

Met	Trp	Pro	Arg	Met	Leu	Ala	Phe	Ser	Thr	Trp	Leu	Glu	Trp	Leu	Leu
1				5					10				15		

Phe	Ser	Pro	Leu	Pro	Gln	Ser	Val	Gly	Cys	Pro	Gly	Pro	Leu	Glu	Phe
					20				25				30		

Tyr	Cys	Val	Gln	Asp	Arg	Arg	Pro	Pro	Ser	Leu	Pro	Asp	Gly	Ala	Asp
					35			40				45			

His	Phe	Ser	Ser	Pro	Thr	Arg	Ile	Thr	Ser	Ser	Ser	Ile	Ser	Pro	Ala
					50			55				60			

Leu	Ser	Leu	Gln	Ala	Pro	Glu	Ala	Gly	Gly	Phe	Leu	Ser	Ile	Pro	Gly
					65			70			75			80	

<210> 2118

<211> 21

<212> PRT

<213> Homo sapiens

<400> 2118

Met	His	Asp	Val	Leu	Phe	Phe	Leu	Ser	Phe	Ser	Leu	Val	Ala	Cys	Val
1				5					10				15		

Lys	Ala	Gly	Met	Leu
			20	

<210> 2119

<211> 291

<212> PRT

<213> Homo sapiens

<400> 2119

Met	Asp	Phe	Ile	Gln	His	Leu	Gly	Val	Cys	Cys	Leu	Val	Ala	Leu	Ile
1					5				10				15		

Ser	Val	Gly	Leu	Leu	Ser	Val	Ala	Ala	Cys	Trp	Phe	Leu	Pro	Ser	Ile
					20			25				30			

Ile	Ala	Ala	Ala	Ala	Ser	Trp	Ile	Ile	Thr	Cys	Val	Leu	Cys	Cys
					35			40				45		

Ser	Lys	His	Ala	Arg	Cys	Phe	Ile	Leu	Leu	Val	Phe	Leu	Ser	Cys	Gly
					50			55				60			

Leu	Arg	Glu	Gly	Arg	Asn	Ala	Leu	Ile	Ala	Ala	Gly	Thr	Gly	Ile	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

65	70	75	80
Ile Leu Gly His Val Glu Asn Ile Phe His Asn Phe Lys Gly Leu Leu			
85	90	95	
Asp Gly Met Thr Cys Asn Leu Arg Ala Lys Ser Phe Ser Ile His Phe			
100	105	110	
Pro Leu Leu Lys Lys Tyr Ile Glu Ala Ile Gln Trp Ile Tyr Gly Leu			
115	120	125	
Ala Thr Pro Leu Ser Val Phe Asp Asp Leu Val Ser Trp Asn Gln Thr			
130	135	140	
Leu Ala Val Ser Leu Phe Ser Pro Ser His Val Leu Glu Ala Gln Leu			
145	150	155	160
Asn Asp Ser Lys Gly Glu Val Leu Ser Val Leu Tyr Gln Met Ala Thr			
165	170	175	
Thr Thr Glu Val Leu Ser Ser Leu Gly Gln Lys Leu Leu Ala Phe Ala			
180	185	190	
Gly Leu Ser Leu Val Leu Leu Gly Thr Gly Leu Phe Met Lys Arg Phe			
195	200	205	
Leu Gly Pro Cys Gly Trp Lys Tyr Glu Asn Ile Tyr Ile Thr Arg Gln			
210	215	220	
Phe Val Gln Phe Asp Glu Arg Glu Arg His Gln Gln Arg Pro Cys Met			
225	230	235	240
Leu Pro Leu Asn Lys Glu Glu Arg Arg Lys Asn Lys Glu Leu Lys Ile			
245	250	255	
Leu Ser Met Ile Leu Pro Leu Ile Tyr Leu Cys Leu Asn Pro Thr Val			
260	265	270	
Ser Gln Asn Gln Asn Ser Phe Tyr Leu Arg Pro Gly Phe Leu Ser Val			
275	280	285	
Leu Phe Phe			
290			

<210> 2120

<211> 257

<212> PRT

<213> Homo sapiens

<400> 2120

Met Asp Phe Ile Gln His Leu Gly Val Cys Cys Leu Val Ala Leu Ile			
1	5	10	15

Ser Val Gly Leu Leu Ser Val Ala Ala Cys Trp Phe Leu Pro Ser Ile			
20	25	30	

Ile Ala Ala Ala Ala Ser Trp Ile Ile Thr Cys Val Leu Leu Cys Cys			
35	40	45	

Ser Lys His Ala Arg Cys Phe Ile Leu Leu Val Phe Leu Ser Cys Gly
 50 55 60

Leu Arg Glu Gly Arg Asn Ala Leu Ile Ala Ala Gly Thr Gly Ile Val
 65 70 75 80

Ile Leu Gly His Val Glu Asn Ile Phe His Asn Phe Lys Gly Leu Leu
 85 90 95

Asp Gly Met Thr Cys Asn Leu Arg Ala Lys Ser Phe Ser Ile His Phe
 100 105 110

Pro Leu Leu Lys Lys Tyr Ile Glu Ala Ile Gln Trp Ile Tyr Gly Leu
 115 120 125

Ala Thr Pro Leu Ser Val Phe Asp Asp Leu Val Ser Trp Asn Gln Thr
 130 135 140

Leu Ala Val Ser Leu Phe Ser Pro Ser His Val Leu Glu Ala Gln Leu
 145 150 155 160

Asn Asp Ser Lys Gly Glu Val Leu Ser Val Leu Tyr Gln Met Ala Thr
 165 170 175

Thr Thr Glu Val Leu Ser Ser Leu Gly Gln Lys Leu Leu Ala Phe Ala
 180 185 190

Gly Leu Ser Leu Val Leu Leu Gly Thr Gly Leu Phe Met Lys Arg Phe
 195 200 205

Leu Gly Pro Cys Gly Trp Lys Tyr Glu Asn Ile Tyr Ile Thr Arg Gln
 210 215 220

Phe Val Gln Phe Asp Glu Arg Glu Arg His Gln Gln Arg Pro Cys Val
 225 230 235 240

Leu Pro Leu Asn Lys Glu Glu Arg Arg Lys Phe Ile Ser Gly Phe Gln
 245 250 255

Ser

<210> 2121
 <211> 257
 <212> PRT
 <213> Homo sapiens

<400> 2121
 Met Asp Phe Ile Gln His Leu Gly Val Cys Cys Leu Val Ala Leu Ile
 1 5 10 15

Ser Val Gly Leu Leu Ser Val Ala Ala Cys Trp Phe Leu Pro Ser Ile
 20 25 30

Ile Ala Ala Ala Ala Ser Trp Ile Ile Thr Cys Val Leu Leu Cys Cys
 35 40 45

Ser Lys His Ala Arg Cys Phe Ile Leu Leu Val Phe Leu Ser Cys Gly
 50 55 60

Leu Arg Glu Gly Arg Asn Ala Leu Ile Ala Ala Gly Thr Gly Ile Val
 65 70 75 80

Ile Leu Gly His Val Glu Asn Ile Phe His Asn Phe Lys Gly Leu Leu
 85 90 95

Asp Gly Met Thr Cys Asn Leu Arg Ala Lys Ser Phe Ser Ile His Phe
 100 105 110

Pro Leu Leu Lys Lys Tyr Ile Glu Ala Ile Gln Trp Ile Tyr Gly Leu
 115 120 125

Ala Thr Pro Leu Ser Val Phe Asp Asp Leu Val Ser Trp Asn Gln Thr
 130 135 140

Leu Ala Val Ser Leu Phe Ser Pro Ser His Val Leu Glu Ala Gln Leu
 145 150 155 160

Asn Asp Ser Lys Gly Glu Val Leu Ser Val Leu Tyr Gln Met Ala Thr
 165 170 175

Thr Thr Glu Val Leu Ser Ser Leu Gly Gln Lys Leu Leu Ala Phe Ala
 180 185 190

Gly Leu Ser Leu Val Leu Leu Gly Thr Gly Leu Phe Met Lys Arg Phe
 195 200 205

Leu Gly Pro Cys Gly Trp Lys Tyr Glu Asn Ile Tyr Ile Thr Arg Gln
 210 215 220

Phe Val Gln Phe Asp Glu Arg Glu Arg His Gln Gln Arg Pro Cys Val
 225 230 235 240

Leu Pro Leu Asn Lys Glu Glu Arg Arg Lys Phe Ile Ser Gly Phe Gln
 245 250 255

Ser

<210> 2122

<211> 352

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (284)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2122

Met Asp Phe Ile Gln His Leu Gly Val Cys Cys Leu Val Ala Leu Ile
 1 5 10 15

Ser Val Gly Leu Leu Ser Val Ala Ala Cys Trp Phe Leu Pro Ser Ile
 20 25 30

Ile Ala Ala Ala Ala Ser Trp Ile Ile Thr Cys Val Leu Leu Cys Cys
 35 40 45

Ser Lys His Ala Arg Cys Phe Ile Leu Leu Val Phe Leu Ser Cys Gly
 50 55 60

Leu Arg Glu Gly Arg Asn Ala Leu Ile Ala Ala Gly Thr Gly Ile Val
 65 70 75 80

Ile Leu Gly His Val Glu Asn Ile Phe His Asn Phe Lys Gly Leu Leu
 85 90 95

Asp Gly Met Thr Cys Asn Leu Arg Ala Lys Ser Phe Ser Ile His Phe
 100 105 110

Pro Leu Leu Lys Lys Tyr Ile Glu Ala Ile Gln Trp Ile Tyr Gly Leu
 115 120 125

Ala Thr Pro Leu Ser Val Phe Asp Asp Leu Val Ser Trp Asn Gln Thr
 130 135 140

Leu Ala Val Ser Leu Phe Ser Pro Ser His Val Leu Glu Ala Gln Leu
 145 150 155 160

Asn Asp Ser Lys Gly Glu Val Leu Ser Val Leu Tyr Gln Met Ala Thr
 165 170 175

Thr Thr Glu Val Leu Ser Ser Leu Gly Gln Lys Leu Leu Ala Phe Ala
 180 185 190

Gly Leu Ser Leu Val Leu Leu Gly Thr Gly Leu Phe Met Lys Arg Phe
 195 200 205

Leu Gly Pro Cys Gly Trp Lys Tyr Glu Asn Ile Tyr Ile Thr Arg Gln
 210 215 220

Phe Val Gln Phe Asp Glu Arg Glu Arg His Gln Gln Arg Pro Cys Val
 225 230 235 240

Leu Pro Leu Asn Lys Glu Glu Arg Arg Lys Tyr Val Ile Ile Pro Thr
 245 250 255

Phe Trp Pro Thr Pro Lys Glu Arg Lys Asn Leu Gly Leu Phe Phe Leu
 260 265 270

Pro Ile Leu Ile His Leu Cys Ile Trp Val Leu Xaa Ala Ala Val Asp
 275 280 285

Tyr Leu Leu Tyr Arg Leu Ile Phe Ser Val Ser Lys Gln Phe Gln Ser
 290 295 300

Leu Pro Gly Phe Glu Val His Leu Lys Leu His Gly Glu Lys Gln Gly
 305 310 315 320

Thr Gln Asp Ile Ile His Asp Ser Ser Phe Asn Ile Ser Val Phe Glu
 325 330 335

Pro Asn Cys Ile Pro Lys Pro Trp Gln Ala Leu Lys Leu Leu Ala His
 340 345 350

<210> 2123

<211> 259

<212> PRT

<213> Homo sapiens

<400> 2123

Met	Val	Ser	Cys	Ser	Ile	Leu	Ala	Leu	Thr	His	Leu	Leu	Phe	Glu	Phe
1					5				10				15		

Lys	Gly	Leu	Met	Gly	Thr	Ser	Thr	Val	Glu	Gln	Leu	Leu	Glu	Asn	Val
			20					25				30			

Cys	Leu	Leu	Leu	Ala	Ser	Arg	Thr	Arg	Asp	Val	Val	Lys	Ser	Ala	Leu
				35				40				45			

Gly	Phe	Ile	Lys	Val	Ala	Val	Thr	Val	Met	Asp	Val	Ala	His	Leu	Ala
		50				55			60						

Lys	His	Val	Gln	Leu	Val	Met	Glu	Ala	Ile	Gly	Lys	Leu	Ser	Asp	Asp
	65				70				75			80			

Met	Arg	Arg	His	Phe	Arg	Met	Lys	Leu	Arg	Asn	Leu	Phe	Thr	Lys	Phe
				85				90			95				

Ile	Arg	Lys	Phe	Gly	Phe	Glu	Leu	Val	Lys	Arg	Leu	Leu	Pro	Glu	Glu
				100				105			110				

Tyr	His	Arg	Val	Leu	Val	Asn	Ile	Arg	Lys	Ala	Glu	Ala	Arg	Ala	Lys
			115			120			125						

Arg	His	Arg	Ala	Leu	Ser	Gln	Ala	Ala	Val	Glu	Glu	Glu	Glu	Glu	Glu
			130			135			140						

Glu	Glu	Glu	Glu	Pro	Ala	Gln	Gly	Lys	Gly	Asp	Ser	Ile	Glu	Glu	145
					150			155			160				

Ile	Leu	Ala	Asp	Ser	Glu	Asp	Glu	Asp	Asn	Glu	Glu	Glu	Arg		165
						170				175					

Ser	Arg	Gly	Lys	Glu	Gln	Arg	Lys	Leu	Ala	Arg	Gln	Arg	Ser	Arg	Ala
			180			185			190						

Trp	Leu	Lys	Glu	Gly	Gly	Asp	Glu	Pro	Leu	Asn	Phe	Leu	Asp	Pro	
			195			200			205						

Lys	Val	Ala	Gln	Arg	Val	Leu	Ala	Thr	Gln	Pro	Gly	Pro	Ala	Gly	Gln
			210			215			220						

Glu	Glu	Gly	Pro	Gln	Leu	Gln	Gly	Glu	Arg	Arg	Trp	Pro	Ala	Asp	His
			225			230			235			240			

Lys	Gly	Gly	Arg	Arg	Gln	Gln	Asp	Gly	Gly	Arg	Gly	Arg	Cys	Gln	
			245			250			255						

Arg Arg Arg

<210> 2124

<211> 42

<212> PRT

<213> Homo sapiens

<400> 2124

Met Leu Trp Leu Gly Thr Ser Leu Ile Phe Ser Ser Phe Ser Ala Ser
1 5 10 15

Phe Asp Gly Val Pro Phe Leu Ser Ser Trp Leu Phe Trp Ser Ser Gly
20 25 30

Ser Ser Pro Asn Ser Leu Ile Pro Pro Phe
35 40

<210> 2125

<211> 45

<212> PRT

<213> Homo sapiens

<400> 2125

Met Tyr Pro Pro Val Ala Pro Ser Phe Trp Gly Cys Val Cys Phe Phe
1 5 10 15

Trp Ala Val Pro Leu Val Cys Cys Arg Asp Ser Trp Lys Gly Leu Ser
20 25 30

Leu Phe Val Gly Ser Gly Gly Leu Gly Leu Val Glu His
35 40 45

<210> 2126

<211> 54

<212> PRT

<213> Homo sapiens

<400> 2126

Met Trp Pro Phe Leu His Leu Leu Asn Met Pro Phe Thr Leu Thr Gln
1 5 10 15

Val Val Ala Ser Pro Ser Ser Cys Ser Asn Trp Lys Pro Gln His Pro
20 25 30

Glu Met Pro Pro Pro Gln Ile His Cys Thr His Val Cys Leu Cys Met
35 40 45

Arg Val Cys Ala Arg Val
50

<210> 2127

<211> 136

<212> PRT

<213> Homo sapiens

<400> 2127

Met Leu Met Leu Leu Thr Leu Leu Val Leu Gly Met Val Trp Val Ala
 1 5 10 15

Ser Ala Ile Val Asp Lys Asn Lys Ala Asn Arg Glu Ser Leu Tyr Asp
 20 25 30

Phe Trp Glu Tyr Tyr Leu Pro Tyr Leu Tyr Ser Cys Ile Ser Phe Leu
 35 40 45

Gly Val Leu Leu Leu Leu Gly Glu Cys Thr Gly Ser Gly Arg Glu Trp
 50 55 60

Ala Gly Ser Leu Asp Gln Ser Asn Gln Ala Arg Arg Lys Gly Asn Gly
 65 70 75 80

Gly His Val Arg Glu Gly Val Glu Ser Arg Val Trp Gln Val Thr Gly
 85 90 95

Ser Cys Pro Tyr Ser Val Tyr Ser Thr Gly Ser Arg Pro His Val Leu
 100 105 110

Arg His Trp Glu Ala Ala Ser Gln Ala Pro Ala Ala Gly Arg Pro Gly
 115 120 125

Gly Ala Ala Val Leu Leu Ser Leu
 130 135

<210> 2128

<211> 74

<212> PRT

<213> Homo sapiens

<400> 2128

Met His Trp Thr Phe Ser Ser Ser Leu Gly Cys Leu Tyr His Phe Ser
 1 5 10 15

Leu Ser Phe Ser Gly Leu His Thr Val Leu Lys Ser Ser Pro Ser Ser
 20 25 30

Arg Phe Leu Leu Pro Cys Ser Ser Gln Val Thr Gln Pro Ser Pro Val
 35 40 45

Gly Gln Pro Arg Leu Val Val Gln Leu Pro Pro Val Lys Val Ile Gly
 50 55 60

His Arg Thr Gly Gln Cys Arg Gly Pro Gly
 65 70

<210> 2129

<211> 253

<212> PRT

<213> Homo sapiens

<400> 2129

Met Asp Asn Arg Phe Ala Thr Ala Phe Val Ile Ala Cys Val Leu Ser
 1 5 10 15

Leu Ile Ser Thr Ile Tyr Met Ala Ala Ser Ile Gly Thr Asp Phe Trp
20 25 30

Tyr Glu Tyr Arg Ser Pro Val Gln Glu Asn Ser Ser Asp Leu Asn Lys
 35 40 45

Ser Ile Trp Asp Glu Phe Ile Ser Asp Glu Ala Asp Glu Lys Thr Tyr
 50 55 .60 .

Asn	Asp	Ala	Leu	Phe	Arg	Tyr	Asn	Gly	Thr	Val	Gly	Leu	Trp	Arg	Arg
65					70					75					80

Cys Ile Thr Ile Pro Lys Asn Met His Trp Tyr Ser Pro Pro Glu Arg
85 90 95

Thr Glu Ser Phe Asp Val Val Thr Lys Cys Val Ser Phe Thr Leu Thr
 100 105 110

Glu Gln Phe Met Glu Lys Phe Val Asp Pro Gly Asn His Asn Ser Gly
115 120 125

Ile Asp Leu Leu Arg Thr Tyr Leu Trp Arg Cys Gln Phe Leu Leu Pro
130 135 140

Phe Val Ser Leu Gly Leu Met Cys Phe Gly Ala Leu Ile Gly Leu Cys
145 150 155 160

Ala Cys Ile Cys Arg Ser Leu Tyr Pro Thr Ile Ala Thr Gly Ile Leu
165 170 175

His Leu Leu Ala Gly Leu Cys Thr Leu Gly Ser Val Ser Cys Tyr Val
180 185 190

Ala Gly Ile Glu Leu Leu His Gln Lys Leu Glu Leu Pro Asp Asn Val
195 200 205

Ser Gly Glu Phe Gly Trp Ser Phe Cys Leu Ala Cys Val Ser Ala Pro
210 215 220

Leu Gln Phe Met Ala Ser Ala Leu Phe Ile Trp Ala Ala His Thr Asn
225 230 235 240

Arg Lys Glu Tyr Thr Leu Met Lys Ala Tyr Arg Val Ala
245 250

<210> 2130

<211> 253

<212> PRT

<213> Homo sapiens

<400> 2130

Met Asp Asn Arg Phe Ala Thr Ala Phe Val Ile Ala Cys Val Leu Ser

1	5	10	15
Leu Ile Ser Thr Ile Tyr Met Ala Ala Ser Ile Gly Thr Asp Phe Trp			
20	25	30	
Tyr Glu Tyr Arg Ser Pro Val Gln Glu Asn Ser Ser Asp Leu Asn Lys			
35	40	45	
Ser Ile Trp Asp Glu Phe Ile Ser Asp Glu Ala Asp Glu Lys Thr Tyr			
50	55	60	
Asn Asp Ala Leu Phe Arg Tyr Asn Gly Thr Val Gly Leu Trp Arg Arg			
65	70	75	80
Cys Ile Thr Ile Pro Lys Asn Met His Trp Tyr Ser Pro Pro Glu Arg			
85	90	95	
Thr Glu Ser Phe Asp Val Val Thr Lys Cys Val Ser Phe Thr Leu Thr			
100	105	110	
Glu Gln Phe Met Glu Lys Phe Val Asp Pro Gly Asn His Asn Ser Gly			
115	120	125	
Ile Asp Leu Leu Arg Thr Tyr Leu Trp Arg Cys Gln Phe Leu Leu Pro			
130	135	140	
Phe Val Ser Leu Gly Leu Met Cys Phe Gly Ala Leu Ile Gly Leu Cys			
145	150	155	160
Ala Cys Ile Cys Arg Ser Leu Tyr Pro Thr Ile Ala Thr Gly Ile Leu			
165	170	175	
His Leu Leu Ala Gly Leu Cys Thr Leu Gly Ser Val Ser Cys Tyr Val			
180	185	190	
Ala Gly Ile Glu Leu Leu His Gln Lys Leu Glu Leu Pro Asp Asn Val			
195	200	205	
Ser Gly Glu Phe Gly Trp Ser Phe Cys Leu Ala Cys Val Ser Ala Pro			
210	215	220	
Leu Gln Phe Met Ala Ser Ala Leu Phe Ile Trp Ala Ala His Thr Asn			
225	230	235	240
Arg Lys Glu Tyr Thr Leu Met Lys Ala Tyr Arg Val Ala			
245	250		

<210> 2131

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2131

Met Phe Phe Gln Gly Trp Val Asp Arg Trp Leu Leu Gly Cys Leu Ala

1

5

10

15

Pro Gly Gly Phe Ala Ile His Glu Ala Arg Ala Gly Asn Thr Val Ser

20

25

30

Leu Pro Met Val Asp Pro Cys Glu Cys Gln Glu Ala Ser Ser Ser Val
35 40 45

Leu Glu Met Ile Ser Ala Thr Ile Leu
50 55

<210> 2132
<211> 41
<212> PRT
<213> Homo sapiens

<400> 2132
Met Asn Leu Met Val Arg Leu Leu Ala Leu Gly Leu Ile Ser Gly Met
1 5 10 15

Met Ser Asn Ile Thr Gln Ser His Ser Ser Lys Ile Ser Ala Phe Gly
20 25 30

Ile Phe Ile Gly Pro Glu Gln Phe Leu
35 40

<210> 2133
<211> 51
<212> PRT
<213> *Homo sapiens*

<400> 2133
Met Ser Leu Glu Pro Ser Thr Ser Ser Phe Asn Ile Leu Leu Phe Pro
1 5 10 15

Ala Phe Leu Arg Val Phe Gly Trp Ala Leu Gly Trp Met Pro Trp Glu
20 25 30

Tyr Leu Tyr Leu Ser Ser Lys Val Thr Asn Gly Glu Thr Gly Thr Gln
 35 40 45

Arg Gly Thr
50

<210> 2134
<211> 60
<212> PRT
<213> *Homo sapiens*

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2134

Met Phe Pro Cys Leu Pro Thr Leu Xaa Leu Arg Ile Leu His Ser			
1	5	10	15

Gly Trp Val Gly Leu Phe Leu Leu Ile Ser Ser Arg Ala Pro Ser Ser			
20	25	30	

Ser Leu Ala Trp Lys His Gly Pro Gly Xaa Leu Trp Trp Pro Arg Arg			
35	40	45	

Pro Leu Arg Ser Cys Thr Gly Leu Ala Ser Cys Gly			
50	55	60	

<210> 2135

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2135

Met Phe Pro Cys Leu Pro Thr Leu Xaa Leu Arg Ile Leu His Ser			
1	5	10	15

Gly Trp Val Gly Leu Phe Leu Leu Ile Ser Ser Arg Ala Pro Ser Ser			
20	25	30	

Ser Leu Ala Trp Lys His Gly Pro Gly Glu Leu Trp Trp Pro Arg Xaa			
35	40	45	

Pro Leu Arg Ser Cys Thr Gly Leu Ala Ser Cys Gly			
50	55	60	

<210> 2136

<211> 78

<212> PRT

<213> Homo sapiens

<400> 2136

Met Ser Pro His Gln Pro Met Gln Val Ser Ser Ser Lys Thr Ile Leu			
1	5	10	15

Trp Leu Val Leu Ser Cys Leu Cys Pro Ser Ser Pro His Pro Val Ile			
20	25	30	

Ser Gly Leu Pro Gln Trp Tyr Ile Gly Val Leu Ala Gly Ile Val Pro			
35	40	45	

Val Ala Pro Ile Arg Pro Gly Asp Ser Gly Leu Asp Leu Gln Arg Glu
 50 55 60

Gly Pro Gln Pro Ile Leu Ser Gln Gly Leu Asn Arg Arg Thr
 65 70 75

<210> 2137

<211> 78

<212> PRT

<213> Homo sapiens

<400> 2137

Met Ser Pro His Gln Pro Met Gln Val Ser Ser Ser Lys Thr Ile Leu
 1 5 10 15

Trp Leu Val Leu Ser Cys Leu Cys Pro Ser Ser Pro His Pro Val Ile
 20 25 30

Ser Gly Leu Pro Gln Trp Tyr Ile Gly Val Leu Ala Gly Ile Val Pro
 35 40 45

Val Ala Pro Ile Arg Pro Gly Asp Ser Gly Leu Asp Leu Gln Arg Glu
 50 55 60

Gly Pro Gln Pro Ile Leu Ser Gln Gly Leu Asn Arg Arg Thr
 65 70 75

<210> 2138

<211> 144

<212> PRT

<213> Homo sapiens

<400> 2138

Met Ser Ala Val Ser Ala Pro Ala Leu Trp Gln Thr Trp Cys Val Pro
 1 5 10 15

Ala Ala Arg Ala Trp Thr Ser Ser Thr Leu Arg His Asp Ala Val Ala
 20 25 30

Arg Pro Asn Pro Ser Thr Ser Leu Thr Pro Gly Leu Leu Thr Ser Ser
 35 40 45

Asp Ser Pro Arg Trp Pro Gly Leu Gln Glu Ala Pro Gly Arg Pro Cys
 50 55 60

Ile Arg Leu Gly Arg Ser Glu Leu Cys Met Tyr Ile Tyr Thr Tyr Ile
 65 70 75 80

Asp Thr Phe Ile Ile Tyr Thr His Ser Leu Tyr Ile Tyr Ile His Cys
 85 90 95

Phe Leu Ala Pro Glu Leu Ile Trp Val Gln Ala His Phe Lys Thr Leu
 100 105 110

Pro Gly Gly Cys Phe Phe Ser Gly Phe Leu Ala Arg Glu Glu Gly

115

120

125

Glu Gly Thr Gly Trp Val Phe Ser Leu Lys Arg Glu Ser Arg Arg Phe
 130 135 140

<210> 2139

<211> 151

<212> PRT

<213> Homo sapiens

<400> 2139

Met Leu His Trp Val Leu Ser Phe Phe Phe Leu Leu Ser Cys Pro Arg
 1 5 10 15

Thr Glu Gly Leu Pro Gly Leu Tyr Cys Pro Gly Cys Ser Gln Cys Pro
 20 25 30

Gly Arg Gly Met Trp Pro Gly Asp Pro Gly Pro Gly Ile Gln Gly Pro
 35 40 45

Gly Leu Asp Leu Arg Thr Gly Met Glu Ala Thr Gly Ala Gln Gln Pro
 50 55 60

Thr Leu Ser Ser Pro His Cys Leu Leu Ser Leu Pro Thr Leu Pro Ala
 65 70 75 80

Arg Ala Val Gln Leu Arg Trp Asp Leu Ser Ile Ser Arg Ala Gly Gly
 85 90 95

Arg Val Ala Val Leu Gly Leu Cys Leu Glu Pro Gly Gly Ser Leu Leu
 100 105 110

Leu Pro Pro Ser Ala Leu Pro Glu Thr Asp Pro Cys Ala Ala Cys Pro
 115 120 125

Pro Cys Pro Phe Val Pro Met Ser Gly Gly Gly Arg Pro Thr Val
 130 135 140

Pro Glu Ala Gly His Gln Pro
 145 150

<210> 2140

<211> 173

<212> PRT

<213> Homo sapiens

<400> 2140

Met Pro Pro Tyr Thr Pro Phe Phe Gly Thr Arg Ala Leu Leu Ser Val
 1 5 10 15

Ser Leu Pro Pro Pro Cys Met Leu His Trp Val Leu Ser Phe Phe Phe
 20 25 30

Leu Leu Ser Cys Pro Arg Thr Glu Gly Leu Pro Gly Leu Tyr Cys Pro
 35 40 45

 Gly Cys Ser Gln Cys Pro Gly Arg Gly Met Trp Pro Gly Asp Pro Gly
 50 55 60

 Pro Gly Ile Gln Gly Pro Gly Leu Asp Leu Arg Thr Gly Met Glu Ala
 65 70 75 80

 Thr Gly Ala Gln Gln Pro Thr Leu Ser Ser Pro His Cys Leu Leu Ser
 85 90 95

 Leu Pro Thr Leu Pro Ala Arg Ala Val Gln Leu Arg Trp Asp Leu Ser
 100 105 110

 Ile Ser Arg Ala Gly Gly Arg Val Ala Val Leu Gly Leu Cys Leu Glu
 115 120 125

 Pro Gly Gly Ser Leu Leu Leu Pro Pro Ser Ala Leu Pro Glu Thr Asp
 130 135 140

 Pro Cys Ala Ala Cys Pro Pro Cys Pro Phe Val Pro Met Ser Gly Gly
 145 150 155 160

 Gly Gly Arg Pro Thr Val Pro Glu Ala Gly His Gln Pro
 165 170

<210> 2141
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 2141
 Met Asn Arg Ser Thr Arg Ser Tyr Arg Cys Trp Ala Thr Trp Pro Arg
 1 5 10 15

 Leu Gly Trp Ala Leu Pro Cys Cys Met Asn Ser Leu Arg Lys Gly Arg
 20 25 30

 Lys Phe Ser Gln Ile Thr Thr Ser Leu Met Ala Ser Val Ser Ser Ala
 35 40 45

 Ser Met Val Ser Arg Arg Arg Arg Pro Leu Pro Lys His Pro Val Thr
 50 55 60

 Thr Thr Ser Thr Ala Thr Ala Leu Leu Gly Thr Ser Ser Thr Trp Ser
 65 70 75 80

 Lys Ser

<210> 2142
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 2142

Met Gly Gln Arg Gly Val Phe Leu Leu Ile Leu Asp Ala Phe Ser Val
1 5 10 15

Pro Ser Thr Ala Ser Cys Leu Ile Thr Pro Leu Pro Pro Pro His Pro
20 25 30

Gln Pro Ser Gln Phe Phe Leu Ala Ser Ala Leu Gln Pro Tyr Leu Gly
35 40 45

Lys Glu Glu Trp Val
50

<210> 2143

<211> 53

<212> PRT

<213> Homo sapiens

<400> 2143

Met Gly Gln Arg Gly Val Phe Leu Leu Ile Leu Asp Ala Phe Ser Val
1 5 10 15

Pro Ser Thr Ala Ser Cys Leu Ile Thr Pro Leu Pro Pro Pro His Pro
20 25 30

Gln Pro Ser Gln Phe Phe Leu Ala Ser Ala Leu Gln Pro Tyr Leu Gly
35 40 45

Lys Glu Glu Trp Val
50

<210> 2144

<211> 53

<212> PRT

<213> Homo sapiens

<400> 2144

Met Gly Gln Arg Gly Val Phe Leu Leu Ile Leu Asp Ala Phe Ser Val
1 5 10 15

Pro Ser Thr Ala Ser Cys Leu Ile Thr Pro Leu Pro Pro Pro His Pro
20 25 30

Gln Pro Ser Gln Phe Phe Leu Ala Ser Ala Leu Gln Pro Tyr Leu Gly
35 40 45

Lys Glu Glu Trp Val
50

<210> 2145

<211> 97

<212> PRT

<213> Homo sapiens

<400> 2145

Met	Leu	Trp	Lys	Leu	Lys	Leu	Ser	Arg	Cys	Trp	Leu	Asp	Leu	Thr	Leu
1				5						10				15	

Leu	Ile	Phe	Ser	Gln	Ile	Ser	His	Met	Asp	Gln	Ile	Ile	Phe	Phe	Phe
				20					25				30		

Val	Val	Tyr	Pro	Ile	Leu	Asn	Asn	Ile	Phe	Ser	Leu	Asn	Tyr	Cys	Arg
						35			40				45		

Asp	Phe	Phe	Cys	Gly	Gly	Tyr	Phe	Leu	Phe	Cys	Ser	Lys	Ile	Ile	Arg
						50			55			60			

Cys	Lys	Ala	Ile	Leu	Cys	Leu	Thr	Val	Ala	Leu	Ser	Lys	Gln	Leu	Cys
					65				70			75			80

Ser	Gly	Val	Ala	Phe	Asp	Val	Leu	Glu	Phe	Asp	Tyr	Met	Gln	Ser	Cys
					85				90				95		

Ile

<210> 2146

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2146

Met	Met	Thr	Met	Thr	Ser	Asp	Arg	Trp	Phe	Ser	Met	Ala	Trp	Ala	Ser
1					5					10				15	

Cys	Ser	Leu	Ser	Arg	Pro	Pro	Leu	Thr	Pro	Ser	Cys	Ser	Cys	Gln	Gln
					20			25					30		

Pro	Ala	Thr	Val	Ala	Leu	Leu	Gln	Thr	Ile	Ser	Val	Cys	Ser	Ala
					35			40				45		

Gln	Gln	Ala	Asp	Pro	Leu	Ser	Pro	Pro	Arg	Ala	Cys	Arg	Pro	Xaa	Arg
					50			55			60				

Gln	Phe	Pro	Val	Leu	Gln	Ser	Ala	Gly	Pro	Pro	His	Ser	Pro	His	Val
					65			70			75			80	

<210> 2147

<211> 99

<212> PRT

<213> Homo sapiens

<400> 2147

Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
1 5 10 15

Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
20 25 30

Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
50 . 55 60

Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
 65 . 70 . 75 . 80

Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Arg Ser Pro Trp His
85 90 95

Pro Gly Asn

<210> 2148

<211> 245

<212> PRT

<213> Homo. sapiens

<400> 2148

Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
 1 5 10 15

Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
20 25 30

Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
50 55 60

Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
65 70 75 80

Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
 85 90 95

 Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
 100 105 110

 Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly
 115 120 125

 Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 130 135 140

 Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 145 150 155 160

 Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 165 170 175

 Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 180 185 190

 Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 195 200 205

 Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 210 215 220

 His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 225 230 235 240

 Ile Phe Pro Ser Ala
 245

<210> 2149

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2149

Met Gly His Leu His Trp Gly Val Ser Gly Asn Phe Phe Phe Pro Arg
 1 5 10 15

Leu Ser Leu Phe Leu Leu Phe Ala Trp Leu Gln Ile Thr Gln Ala Asn
 20 25 30

Glu Pro Arg Leu Pro Gly Lys Tyr Ser Ile Lys Ala Ile Lys Ile Thr
 35 40 45

Ile Cys Ile Thr Phe Arg Thr Ser Ala
 50 55

<210> 2150

<211> 152

<212> PRT

<213> Homo sapiens

<400> 2150
Met Gly Val His Val Gly Ala Ala Leu Gly Ala Leu Trp Phe Cys Leu
1 5 10 15
Thr Gly Ala Leu Glu Val Gln Val Pro Glu Asp Pro Val Val Ala Leu
20 25 30
Val Gly Thr Asp Ala Thr Leu Cys Cys Ser Phe Ser Pro Glu Pro Gly
35 40 45
Phe Ser Leu Ala Gln Leu Asn Leu Ile Trp Gln Leu Thr Asp Thr Lys
50 55 60
Gln Leu Val His Ser Phe Ala Glu Gly Gln Asp Gln Gly Ser Ala Tyr
65 70 80
Ala Asn Arg Thr Ala Leu Phe Leu Asp Leu Leu Ala Gln Gly Asn Ala
85 90 95
Ser Leu Arg Leu Gln Ser Val Arg Val Ala Asp Glu Gly Gln Leu His
100 105 110
Leu Leu Arg Glu His Pro Gly Phe Arg Gln Arg Cys Arg Gln Pro Ala
115 120 125
Gly Gly Arg Ser Leu Leu Glu Ala Gln His Asp Pro Gly Ala Gln Gln
130 135 140
Gly Pro Ala Ala Arg Gly Thr Trp
145 150

<210> 2151
<211> 302
<212> PRT
<213> Homo sapiens
<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2151
Met Arg Leu Gly Ser Pro Gly Leu Leu Phe Leu Leu Phe Ser Ser Leu
1 5 10 15
Arg Ala Asp Thr Gln Glu Lys Glu Val Arg Ala Met Val Gly Ser Asp
20 25 30
Val Glu Leu Ser Cys Ala Cys Pro Glu Gly Ser Arg Phe Asp Leu Asn
35 40 45
Asp Val Tyr Val Tyr Trp Gln Thr Ser Glu Ser Lys Thr Val Val Thr
50 55 60
Tyr His Ile Pro Gln Asn Ser Ser Leu Glu Asn Val Asp Ser Arg Tyr
65 70 80

Arg Asn Arg Ala Leu Met Ser Pro Ala Gly Met Leu Arg Gly Asp Phe
 85 90 95

 Ser Leu Arg Leu Phe Asn Val Thr Pro Gln Asp Glu Gln Lys Phe His
 100 105 110

 Cys Leu Val Leu Ser Gln Ser Leu Gly Phe Gln Glu Val Leu Ser Xaa
 115 120 125

 Glu Val Thr Leu His Val Ala Ala Asn Phe Ser Val Pro Val Val Ser
 130 135 140

 Ala Pro His Ser Pro Ser Gln Asp Glu Leu Thr Phe Thr Cys Thr Ser
 145 150 155 160

 Ile Asn Gly Tyr Pro Arg Pro Asn Val Tyr Trp Ile Asn Lys Thr Asp
 165 170 175

 Asn Ser Leu Leu Asp Gln Ala Leu Gln Asn Asp Thr Val Phe Leu Asn
 180 185 190

 Met Arg Gly Leu Tyr Asp Val Val Ser Val Leu Arg Ile Ala Arg Thr
 195 200 205

 Pro Ser Val Asn Ile Gly Cys Cys Ile Glu Asn Val Leu Leu Gln Gln
 210 215 220

 Asn Leu Thr Val Gly Ser Gln Thr Gly Asn Asp Ile Gly Glu Arg Asp
 225 230 235 240

 Lys Ile Thr Glu Asn Pro Val Ser Thr Gly Glu Lys Asn Ala Ala Thr
 245 250 255

 Trp Ser Ile Leu Ala Val Leu Cys Leu Leu Val Val Ala Val Ala
 260 265 270

 Ile Gly Trp Val Cys Arg Asp Arg Cys Leu Gln His Ser Tyr Ala Gly
 275 280 285

 Ala Trp Ala Val Ser Pro Glu Thr Glu Leu Thr Gly His Val
 290 295 300

<210> 2152
 <211> 316
 <212> PRT
 <213> Homo sapiens

<400> 2152
 Met Leu Arg Arg Arg Gly Ser Pro Gly Met Gly Val His Val Gly Ala
 1 5 10 15

 Ala Leu Gly Ala Leu Trp Phe Cys Leu Thr Gly Ala Leu Glu Val Gln
 20 25 30

 Val Pro Glu Asp Pro Val Val Ala Leu Val Gly Thr Asp Ala Thr Leu
 35 40 45

 Cys Cys Ser Phe Ser Pro Glu Pro Gly Phe Ser Leu Ala Gln Leu Asn
 1412

50

55

60

Leu Ile Trp Gln Leu Thr Asp Thr Lys Gln Leu Val His Ser Phe Ala
 65 70 75 80

Glu Gly Gln Asp Gln Gly Ser Ala Tyr Ala Asn Arg Thr Ala Leu Phe
 85 90 95

Pro Asp Leu Leu Ala Gln Gly Asn Ala Ser Leu Arg Leu Gln Arg Val
 100 105 110

Arg Val Ala Asp Glu Gly Ser Phe Thr Cys Phe Val Ser Ile Arg Asp
 115 120 125

Phe Gly Ser Ala Ala Val Ser Leu Gln Val Ala Ala Pro Tyr Ser Lys
 130 135 140

Pro Ser Met Thr Leu Glu Pro Asn Lys Asp Leu Arg Pro Gly Asp Thr
 145 150 155 160

Val Thr Ile Thr Cys Ser Ser Tyr Gln Gly Tyr Pro Glu Ala Glu Val
 165 170 175

Phe Trp Gln Asp Gly Gln Gly Val Pro Leu Thr Gly Asn Val Thr Thr
 180 185 190

Ser Gln Met Ala Asn Glu Gln Gly Leu Phe Asp Val His Ser Ile Leu
 195 200 205

Arg Val Val Leu Gly Ala Asn Gly Thr Tyr Ser Cys Leu Val Arg Asn
 210 215 220

Pro Val Leu Gln Gln Asp Ala His Ser Ser Val Thr Ile Thr Gly Gln
 225 230 235 240

Pro Met Thr Phe Pro Pro Glu Ala Leu Trp Val Thr Val Gly Leu Ser
 245 250 255

Val Cys Leu Ile Ala Leu Leu Val Ala Leu Ala Phe Val Cys Trp Arg
 260 265 270

Lys Ile Lys Gln Ser Cys Glu Glu Glu Asn Ala Gly Ala Glu Asp Gln
 275 280 285

Asp Gly Glu Gly Glu Gly Ser Lys Thr Ala Leu Gln Pro Leu Lys His
 290 295 300

Ser Asp Ser Lys Glu Asp Asp Gly Gln Glu Ile Ala
 305 310 315

<210> 2153

<211> 831

<212> PRT

<213> Homo sapiens

<400> 2153

Met Lys Val His Met His Thr Lys Phe Cys Leu Ile Cys Leu Leu Thr
 1 5 10 15

Phe Ile Phe His His Cys Asn His Cys His Glu Glu His Asp His Gly
 20 25 30

 Pro Glu Ala Leu His Arg Gln His Arg Gly Met Thr Glu Leu Glu Pro
 35 40 45

 Ser Lys Phe Ser Lys Gln Ala Ala Glu Asn Glu Lys Lys Tyr Tyr Ile
 50 55 60

 Glu Lys Leu Phe Glu Arg Tyr Gly Glu Asn Gly Arg Leu Ser Phe Phe
 65 70 75 80

 Gly Leu Glu Lys Leu Leu Thr Asn Leu Gly Leu Gly Glu Arg Lys Val
 85 90 95

 Val Glu Ile Asn His Glu Asp Leu Gly His Asp His Val Ser His Leu
 100 105 110

 Asp Ile Leu Ala Val Gln Glu Gly Lys His Phe His Ser His Asn His
 115 120 125

 Gln His Ser His Asn His Leu Asn Ser Glu Asn Gln Thr Val Thr Ser
 130 135 140

 Val Ser Thr Lys Arg Asn His Lys Cys Asp Pro Glu Lys Glu Thr Val
 145 150 155 160

 Glu Val Ser Val Lys Ser Asp Asp Lys His Met His Asp His Asn His
 165 170 175

 Arg Leu Arg His His Arg Leu His His His Leu Asp His Asn Asn
 180 185 190

 Thr His His Phe His Asn Asp Ser Ile Thr Pro Ser Glu Arg Gly Glu
 195 200 205

 Pro Ser Asn Glu Pro Ser Thr Glu Thr Asn Lys Thr Gln Glu Gln Ser
 210 215 220

 Asp Val Lys Leu Pro Lys Gly Lys Arg Lys Lys Gly Arg Lys Ser
 225 230 235 240

 Asn Glu Asn Ser Glu Val Ile Thr Pro Gly Phe Pro Pro Asn His Asp
 245 250 255

 Gln Gly Glu Gln Tyr Glu His Asn Arg Val His Lys Pro Asp Arg Val
 260 265 270

 His Asn Pro Gly His Ser His Val His Leu Pro Glu Arg Asn Gly His
 275 280 285

 Asp Pro Gly Arg Gly His Gln Asp Leu Asp Pro Asp Asn Glu Gly Glu
 290 295 300

 Leu Arg His Thr Arg Lys Arg Glu Ala Pro His Val Lys Asn Asn Ala
 305 310 315 320

 Ile Ile Ser Leu Arg Lys Asp Leu Asn Glu Asp Asp His His His Glu
 325 330 335

Cys Leu Asn Val Thr Gln Leu Leu Lys Tyr Tyr Gly His Gly Ala Asn
 340 345 350

 Ser Pro Ile Ser Thr Asp Leu Phe Thr Tyr Leu Cys Pro Ala Leu Leu
 355 360 365

 Tyr Gln Ile Asp Ser Arg Leu Cys Ile Glu His Phe Asp Lys Leu Leu
 370 375 380

 Val Glu Asp Ile Asn Lys Asp Lys Asn Leu Val Pro Glu Asp Glu Ala
 385 390 395 400

 Asn Ile Gly Ala Ser Ala Trp Ile Cys Gly Ile Ile Ser Ile Thr Val
 405 410 415

 Ile Ser Leu Leu Ser Leu Leu Gly Val Ile Leu Val Pro Ile Ile Asn
 420 425 430

 Gln Gly Cys Phe Lys Phe Leu Leu Thr Phe Leu Val Ala Leu Ala Val
 435 440 445

 Gly Thr Met Ser Gly Asp Ala Leu Leu His Leu Leu Pro His Ser Gln
 450 455 460

 Gly Gly His Asp His Ser His Gln His Ala His Gly His Gly His Ser
 465 470 475 480

 His Gly His Glu Ser Asn Lys Phe Leu Glu Glu Tyr Asp Ala Val Leu
 485 490 495

 Lys Gly Leu Val Ala Leu Gly Gly Ile Tyr Leu Leu Phe Ile Ile Glu
 500 505 510

 His Cys Ile Arg Met Phe Lys His Tyr Lys Gln Gln Arg Gly Lys Gln
 515 520 525

 Lys Trp Phe Met Lys Gln Asn Thr Glu Glu Ser Thr Ile Gly Arg Lys
 530 535 540

 Leu Ser Asp His Lys Leu Asn Asn Thr Pro Asp Ser Asp Trp Leu Gln
 545 550 555 560

 Leu Lys Pro Leu Ala Gly Thr Asp Asp Ser Val Val Ser Glu Asp Arg
 565 570 575

 Leu Asn Glu Thr Glu Leu Thr Asp Leu Glu Gly Gln Gln Glu Ser Pro
 580 585 590

 Pro Lys Asn Tyr Leu Cys Ile Glu Glu Glu Lys Ile Ile Asp His Ser
 595 600 605

 His Ser Asp Gly Leu His Thr Ile His Glu His Asp Leu His Ala Ala
 610 615 620

 Ala His Asn His His Gly Glu Asn Lys Thr Val Leu Arg Lys His Asn
 625 630 635 640

 His Gln Trp His His Lys His Ser His His Ser His Gly Pro Cys His
 645 650 655

Ser Gly Ser Asp Leu Lys Glu Thr Gly Ile Ala Asn Ile Ala Trp Met
 660 665 670
 Val Ile Met Gly Asp Gly Ile His Asn Phe Ser Asp Gly Leu Ala Ile
 675 680 685
 Gly Ala Ala Phe Ser Ala Gly Leu Thr Gly Gly Ile Ser Thr Ser Ile
 690 695 700
 Ala Val Phe Cys His Glu Leu Pro His Glu Leu Gly Asp Phe Ala Val
 705 710 715 720
 Leu Leu Lys Ala Gly Met Thr Val Lys Gln Ala Ile Val Tyr Asn Leu
 725 730 735
 Leu Ser Ala Met Met Ala Tyr Ile Gly Met Leu Ile Gly Thr Ala Val
 740 745 750
 Gly Gln Tyr Ala Asn Asn Ile Thr Leu Trp Ile Phe Ala Val Thr Ala
 755 760 765
 Gly Met Phe Leu Tyr Val Ala Leu Val Asp Met Leu Pro Glu Met Leu
 770 775 780
 His Gly Asp Gly Asp Asn Glu Glu His Gly Phe Cys Pro Val Gly Gln
 785 790 795 800
 Phe Ile Leu Gln Asn Leu Gly Leu Leu Phe Gly Phe Ala Ile Met Leu
 805 810 815
 Val Ile Ala Leu Tyr Glu Asp Lys Ile Val Phe Asp Ile Gln Phe
 820 825 830

<210> 2154

<211> 480

<212> PRT

<213> Homo sapiens

<400> 2154

Met Leu Phe Arg Asn Arg Phe Leu Leu Leu Leu Ala Leu Ala Leu
 1 5 10 15

Leu Ala Phe Val Ser Leu Ser Leu Gln Phe Phe His Leu Ile Pro Val
 20 25 30

Ser Thr Pro Lys Asn Gly Met Ser Ser Lys Ser Arg Lys Arg Ile Met
 35 40 45

Pro Asp Pro Val Thr Glu Pro Pro Val Thr Asp Pro Val Tyr Glu Ala
 50 55 60

Leu Leu Tyr Cys Asn Ile Pro Ser Val Ala Glu Arg Ser Met Glu Gly
 65 70 75 80

His Ala Pro His His Phe Lys Leu Val Ser Val His Val Phe Ile Arg
 85 90 95

His	Gly	Asp	Arg	Tyr	Pro	Leu	Tyr	Val	Ile	Pro	Lys	Thr	Lys	Arg	Pro
100															110
Glu	Ile	Asp	Cys	Thr	Leu	Val	Ala	Asn	Arg	Lys	Pro	Tyr	His	Pro	Lys
115															125
Leu	Glu	Ala	Phe	Ile	Ser	His	Met	Ser	Lys	Gly	Ser	Gly	Ala	Ser	Phe
130															140
Glu	Ser	Pro	Leu	Asn	Ser	Leu	Pro	Leu	Tyr	Pro	Asn	His	Pro	Leu	Cys
145															160
Glu	Met	Gly	Glu	Leu	Thr	Gln	Thr	Gly	Val	Val	Gln	His	Leu	Gln	Asn
	165								170						175
Gly	Gln	Leu	Leu	Arg	Asp	Ile	Tyr	Leu	Lys	Lys	His	Lys	Leu	Leu	Pro
	180								185						190
Asn	Asp	Trp	Ser	Ala	Asp	Gln	Leu	Tyr	Leu	Glu	Thr	Thr	Gly	Lys	Ser
	195								200						205
Arg	Thr	Leu	Gln	Ser	Gly	Leu	Ala	Leu	Leu	Tyr	Gly	Phe	Leu	Pro	Asp
	210								215						220
Phe	Asp	Trp	Lys	Lys	Ile	Tyr	Phe	Arg	His	Gln	Pro	Ser	Ala	Leu	Phe
	225								230						240
Cys	Ser	Gly	Ser	Cys	Tyr	Cys	Pro	Val	Arg	Asn	Gln	Tyr	Leu	Glu	Lys
	245								250						255
Glu	Gln	Arg	Arg	Gln	Tyr	Leu	Leu	Arg	Leu	Lys	Asn	Ser	Gln	Leu	Glu
	260								265						270
Lys	Thr	Tyr	Gly	Glu	Met	Ala	Lys	Ile	Val	Asp	Val	Pro	Thr	Lys	Gln
	275								280						285
Leu	Arg	Ala	Ala	Asn	Pro	Ile	Asp	Ser	Met	Leu	Cys	His	Phe	Cys	His
	290								295						300
Asn	Val	Ser	Phe	Pro	Cys	Thr	Arg	Asn	Gly	Cys	Val	Asp	Met	Glu	His
	305								310						320
Phe	Lys	Val	Ile	Lys	Thr	His	Gln	Ile	Glu	Asp	Glu	Arg	Glu	Arg	Arg
	325								330						335
Glu	Lys	Lys	Leu	Tyr	Phe	Gly	Tyr	Ser	Leu	Leu	Gly	Ala	His	Pro	Ile
	340								345						350
Leu	Asn	Gln	Thr	Ile	Gly	Arg	Met	Gln	Arg	Ala	Thr	Glu	Gly	Arg	Lys
	355								360						365
Glu	Glu	Leu	Phe	Ala	Leu	Tyr	Ser	Ala	His	Asp	Val	Thr	Leu	Ser	Pro
	370								375						380
Val	Leu	Ser	Ala	Leu	Gly	Leu	Ser	Glu	Ala	Arg	Phe	Pro	Arg	Phe	Ala
	385								390						400
Ala	Arg	Leu	Ile	Phe	Glu	Leu	Trp	Gln	Asp	Arg	Glu	Lys	Pro	Ser	Glu
	405								410						415

His Ser Val Arg Ile Leu Tyr Asn Gly Val Asp Val Thr Phe His Thr		
420	425	430
Ser Phe Cys Gln Asp His His Lys Arg Ser Pro Lys Pro Met Cys Pro		
435	440	445
Leu Glu Asn Leu Val Arg Phe Val Lys Arg Asp Met Phe Val Ala Leu		
450	455	460
Gly Gly Ser Gly Thr Asn Tyr Tyr Asp Ala Cys His Arg Glu Gly Phe		
465	470	475
		480

<210> 2155

<211> 151

<212> PRT

<213> Homo sapiens

<400> 2155

Met Phe Leu Met Leu Gly Cys Ala Leu Pro Ile Tyr Asn Lys Tyr Trp		
1	5	10
		15

Pro Leu Phe Val Leu Phe Phe Tyr Ile Leu Ser Pro Ile Pro Tyr Cys		
20	25	30

Ile Ala Arg Arg Leu Val Asp Asp Thr Asp Ala Met Ser Asn Ala Cys		
35	40	45

Lys Glu Leu Ala Ile Phe Leu Thr Thr Gly Ile Val Val Ser Ala Phe		
50	55	60

Gly Leu Pro Ile Val Phe Ala Arg Ala His Leu Met Gly Arg Leu Pro		
65	70	75
		80

Phe Phe Ser Lys Met Gly Thr Ala Glu Ser Glu Gly Arg Glu Thr Leu		
85	90	95

Thr Gln Gln Leu Pro Leu Pro Ala Ala Ala Met Arg Arg Leu Leu Pro		
100	105	110

Ala Ser Arg Val Ser Thr Gln Pro Val Leu Arg Leu Ala Asp Ser Ala		
115	120	125

Glu Ser Leu Leu Gly Arg Pro Ala Leu Trp Ala Leu Gly Phe Leu Leu		
130	135	140

Cys Pro Pro Ser Gln Ala Gln		
145	150	

<210> 2156

<211> 89

<212> PRT

<213> Homo sapiens

<400> 2156
 Met Tyr Met Gln Asp Tyr Trp Arg Thr Trp Leu Lys Gly Leu Arg Gly
 1 5 10 15
 Phe Phe Phe Val Gly Val Leu Phe Ser Ala Val Ser Ile Ala Ala Phe
 20 25 30
 Cys Thr Phe Leu Val Leu Ala Ile Thr Arg His Gln Ser Leu Thr Asp
 35 40 45
 Pro Thr Ser Tyr Tyr Leu Ser Ser Val Trp Ser Phe Ile Ser Phe Lys
 50 55 60
 Trp Ala Phe Leu Leu Ser Leu Tyr Ala His Arg Tyr Arg Ala Asp Phe
 65 70 75 80
 Ala Asp Ile Ser Ile Leu Ser Asp Phe
 85

<210> 2157
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 2157
 Met Arg Gly His Ile Thr Thr Leu Leu Thr Thr Ser Phe Leu Val Phe
 1 5 10 15
 Gly Leu His Ile Ile Phe Phe Leu Asn Ile Ser Cys Phe Asn Phe Arg
 20 25 30
 Val Phe Ile Leu Phe Glu Thr Arg Pro Glu Asp Ser Arg Leu Tyr Arg
 35 40 45
 Glu Arg Pro Val Leu Pro Arg Tyr
 50 55

<210> 2158
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 2158
 Met Gln Val Lys Asn Ser Ile His Val Thr Phe Val Ala Arg Ile Leu
 1 5 10 15
 Val Arg Val Leu Ile Cys Leu Ser Thr Ser Glu Ala Ile Leu Ala Arg
 20 25 30
 Asn His Ile Tyr Val Val Ser Val Thr Asn Ala Ser Val Glu Val Gln
 35 40 45
 Thr Ser
 50

<210> 2159

<211> 50

<212> PRT

<213> Homo sapiens

<400> 2159

Met	Gln	Val	Lys	Asn	Ser	Ile	His	Val	Thr	Phe	Val	Ala	Arg	Ile	Leu
1															15

Val	Arg	Val	Leu	Ile	Cys	Leu	Ser	Thr	Ser	Glu	Ala	Ile	Leu	Ala	Arg
															30
		20						25							

Asn	His	Ile	Tyr	Val	Val	Ser	Val	Thr	Asn	Ala	Ser	Val	Glu	Val	Gln
															45
								40							

Thr Ser

50

<210> 2160

<211> 81

<212> PRT

<213> Homo sapiens

<400> 2160

Met	Arg	Leu	Leu	Val	Leu	Ser	Ser	Leu	Leu	Cys	Ile	Leu	Leu	Cys
1														15
									10					

Phe	Ser	Ile	Phe	Ser	Thr	Glu	Gly	Lys	Arg	Arg	Pro	Ala	Lys	Ala	Trp
															30
								25							

Ser	Gly	Arg	Arg	Thr	Arg	Leu	Cys	Cys	His	Arg	Val	Pro	Ser	Pro	Asn
															45
								40							

Ser	Thr	Asn	Leu	Lys	Gly	His	His	Val	Arg	Leu	Cys	Lys	Pro	Cys	Lys
															60
								55							

Leu	Glu	Pro	Glu	Pro	Arg	Leu	Trp	Val	Val	Pro	Gly	Ala	Leu	Pro	Gln
65															80
									70						

Val

<210> 2161

<211> 73

<212> PRT

<213> Homo sapiens

<400> 2161

Met	Asn	Ile	Thr	Arg	Lys	Leu	Trp	Ser	Arg	Thr	Phe	Asn	Cys	Ser	Val
1															15
									10						

Pro	Cys	Ser	Asp	Thr	Val	Pro	Val	Ile	Ala	Val	Ser	Val	Phe	Ile	Leu
															30
								20							

Phe Leu Pro Val Val Phe Tyr Leu Ser Ser Phe Leu His Ser Glu Gln

35

40

45

Lys Lys Arg Lys Leu Ile Leu Pro Lys Arg Leu Lys Ser Ser Thr Ser
 50 55 60

Phe Ala Asn Ile Gln Glu Asn Ser Asn
 65 70

<210> 2162

<211> 193

<212> PRT

<213> Homo sapiens

<400> 2162

Met Glu Pro Gly Pro Thr Ala Ala Gln Arg Arg Cys Ser Leu Pro Pro
 1 5 10 15

Trp Leu Pro Leu Gly Leu Leu Leu Trp Ser Gly Leu Ala Leu Gly Ala
 20 25 30

Leu Pro Phe Gly Ser Ser Pro His Arg Val Phe His Asp Leu Leu Ser
 35 40 45

Glu Gln Gln Leu Leu Glu Val Glu Asp Leu Ser Leu Ser Leu Gln
 50 55 60

Gly Gly Gly Leu Gly Pro Leu Ser Leu Pro Pro Asp Leu Pro Asp Leu
 65 70 75 80

Asp Pro Glu Cys Arg Glu Leu Leu Asp Phe Ala Asn Ser Ser Ala
 85 90 95

Glu Leu Thr Gly Cys Leu Val Arg Ser Ala Arg Pro Val Arg Leu Cys
 100 105 110

Gln Thr Cys Tyr Pro Leu Phe Gln Gln Val Val Ser Lys Met Asp Asn
 115 120 125

Ile Ser Arg Ala Ala Gly Asn Thr Ser Glu Ser Gln Ser Cys Ala Arg
 130 135 140

Ser Leu Leu Met Ala Asp Arg Met Gln Ile Val Val Ile Leu Ser Glu
 145 150 155 160

Phe Phe Asn Thr Thr Trp Gln Glu Ala Asn Cys Ala Asn Cys Leu Thr
 165 170 175

Asn Asn Ser Glu Glu Leu Ser Asn Ser Thr Val Tyr Phe Leu Lys Ser
 180 185 190

Ile

<210> 2163

<211> 134

<212> PRT

<213> Homo sapiens

<400> 2163

Met	Ala	Pro	Glu	Val	Met	Glu	Gln	Val	Arg	Gly	Tyr	Asp	Phe	Lys	Ala
1				5					10					15	

Asp	Ile	Trp	Ser	Phe	Gly	Ile	Thr	Ala	Ile	Glu	Leu	Ala	Thr	Gly	Ala
				20				25					30		

Ala	Pro	Tyr	His	Lys	Tyr	Pro	Pro	Met	Lys	Val	Leu	Met	Leu	Thr	Leu
				35				40				45			

Gln	Asn	Asp	Pro	Pro	Ser	Leu	Glu	Thr	Gly	Val	Gln	Asp	Lys	Glu	Met
				50			55			60					

Leu	Lys	Lys	Tyr	Gly	Lys	Ser	Phe	Arg	Lys	Met	Ile	Ser	Leu	Cys	Leu
				65			70			75			80		

Gln	Lys	Asp	Pro	Glu	Lys	Arg	Pro	Thr	Ala	Ala	Glu	Leu	Leu	Arg	His
				85				90			95				

Lys	Phe	Phe	Gln	Lys	Ala	Lys	Asn	Lys	Glu	Phe	Leu	Gln	Glu	Lys	Thr
				100				105			110				

Leu	Gln	Arg	Ala	Pro	Thr	Ile	Ser	Glu	Arg	Ala	Lys	Lys	Val	Arg	Arg
				115			120			125					

Val	Pro	Gly	Ser	Cys	Pro										
				130											

<210> 2164

<211> 334

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2164

Met	Glu	Pro	Gly	Pro	Thr	Ala	Ala	Gln	Arg	Arg	Cys	Ser	Leu	Pro	Pro
1					5				10				15		

Trp	Leu	Pro	Leu	Gly	Leu	Leu	Leu	Trp	Ser	Gly	Leu	Ala	Leu	Gly	Ala
				20				25			30				

Leu	Pro	Phe	Gly	Ser	Ser	Pro	His	Arg	Val	Phe	His	Asp	Leu	Leu	Ser
				35			40			45					

Glu	Gln	Gln	Leu	Leu	Glu	Val	Glu	Asp	Leu	Ser	Leu	Ser	Leu	Leu	Gln
				50			55			60					

Gly	Gly	Gly	Leu	Gly	Pro	Leu	Ser	Leu	Pro	Pro	Asp	Leu	Pro	Asp	Leu
65					70				75			80			

Asp	Pro	Glu	Cys	Arg	Glu	Leu	Leu	Leu	Asp	Phe	Ala	Asn	Ser	Ser	Ala
				85				90			95				

Glu Leu Thr Gly Cys Leu Val Arg Xaa Ala Arg Pro Val Arg Leu Cys
 100 105 110
 Gln Thr Cys Tyr Pro Leu Phe Gln Gln Val Val Ser Lys Met Asp Asn
 115 120 125
 Ile Ser Arg Ala Ala Gly Asn Thr Ser Glu Ser Gln Ser Cys Ala Arg
 130 135 140
 Ser Leu Leu Met Ala Asp Arg Met Gln Ile Val Val Ile Leu Ser Glu
 145 150 155 160
 Phe Phe Asn Thr Thr Trp Gln Glu Ala Asn Cys Ala Asn Cys Leu Thr
 165 170 175
 Asn Asn Ser Glu Glu Leu Ser Asn Ser Thr Val Tyr Phe Leu Asn Leu
 180 185 190
 Phe Asn His Thr Leu Thr Cys Phe Glu His Asn Leu Gln Gly Asn Ala.
 195 200 205
 His Ser Leu Leu Gln Thr Lys Asn Tyr Ser Glu Val Cys Lys Asn Cys
 210 215 220
 Arg Glu Ala Tyr Lys Thr Leu Ser Ser Leu Tyr Ser Glu Met Gln Lys
 225 230 235 240
 Met Asn Glu Leu Glu Asn Lys Ala Glu Pro Gly Thr His Leu Cys Ile
 245 250 255
 Asp Val Glu Asp Ala Met Asn Ile Thr Arg Lys Leu Trp Ser Arg Thr
 260 265 270
 Phe Asn Cys Ser Val Pro Cys Ser Asp Thr Val Pro Val Ile Ala Val
 275 280 285
 Ser Val Phe Ile Leu Phe Leu Pro Val Val Phe Tyr Leu Ser Ser Phe
 290 295 300
 Leu His Ser Glu Gln Lys Lys Arg Lys Leu Ile Leu Pro Lys Arg Leu
 305 310 315 320
 Lys Ser Ser Thr Ser Phe Ala Asn Ile Gln Glu Asn Ser Asn
 325 330

<210> 2165
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 2165
 Met Val Leu Val Phe Ala Tyr Leu Cys Val Leu Leu Ile Val Cys Trp
 1 5 10 15
 Val Thr Ser Lys Thr Ser Leu Ala Leu Lys Tyr Thr Val Tyr Lys Asn
 20 25 30

Phe Lys Arg Leu Ile Trp Asn Lys Ser Ile Leu Ile Ile Thr Leu Thr
 35 40 45

Pro

<210> 2166

<211> 75

<212> PRT

<213> Homo sapiens

<400> 2166

Met Ser Leu Ser Ile Leu Val Ala Leu Ser Leu Gln Ile Leu Phe Leu
 1 5 10 15

Phe Thr Ile Leu Lys Cys Met Leu Ala Lys Trp Val Asp Phe Gln Ile
 20 25 30

Lys Cys Ser Phe His Lys Ser Phe Val Met Val Phe Trp Ser Glu Met
 35 40 45

His Phe His Phe Ser Phe Leu Phe Leu Leu Ser Ile Leu Ser Phe Phe
 50 55 60

Pro Asn Lys Ile Tyr Pro Gly Asp Tyr Ile Cys
 65 70 75

<210> 2167

<211> 86

<212> PRT

<213> Homo sapiens

<400> 2167

Met Leu Trp Ala Leu Asp Ser Leu Leu Phe Phe Ser His Ala Gln Leu
 1 5 10 15

Val Pro Leu Gly Gly Glu Glu Trp Gly Ser Pro Gly Leu Gly Leu
 20 25 30

His Ser Ile Ile Pro Ser Gln Ala Ser Gln Gly Val Ser Ala Pro Ala
 35 40 45

Gln Asp Leu Ala Gly Arg Ala Pro Tyr Arg Glu Ser Leu Gly Arg Leu
 50 55 60

Ser Arg Leu Met Ala Gly Pro Ala Arg Gly Val Leu Arg Pro Ala Leu
 65 70 75 80

Arg Thr Cys Pro Leu Phe
 85

<210> 2168

<211> 152

<212> PRT

<213> Homo sapiens

<400> 2168

Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp				
1	5	10	15	

Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val				
20	25	30		

Lys His Trp Pro Ser Glu Gln Asp Pro Glu Asn Arg Ala Trp Gly Ala				
35	40	45		

Arg Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe				
50	55	60		

Pro Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly				
65	70	75	80	

Gln Gly Arg Gly Pro Ile Leu Pro Gly Thr Lys Ala Trp Met Glu Thr				
85	90	95		

Glu Asp Thr Leu Gly Arg Val Leu Ser Pro Glu Pro Asp His Asp Ser				
100	105	110		

Leu Tyr His Pro Pro Pro Glu Glu Asp Gln Gly Glu Arg Pro Arg				
115	120	125		

Leu Trp Val Met Pro Asn His Gln Val Leu Leu Gly Pro Glu Glu Asp				
130	135	140		

Gln Asp His Ile Tyr His Pro Gln				
145	150			

<210> 2169

<211> 142

<212> PRT

<213> Homo sapiens

<400> 2169

Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp				
1	5	10	15	

Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val				
20	25	30		

Lys His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg				
35	40	45		

Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro				
50	55	60		

Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Thr				
65	70	75	80	

Lys Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg Val Leu Ser Pro				
85	90	95		

Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro Glu Glu Asp Gln				
---	--	--	--	--

100	105	110
Gly Glu Glu Arg Pro Arg Leu Trp Val Met Pro Asn His Gln Val Leu		
115	120	125
Leu Gly Pro Glu Glu Asp Gln Asp His Ile Tyr His Pro Gln		
130	135	140
<210> 2170		
<211> 453		
<212> PRT		
<213> Homo sapiens		
<400> 2170		
Met Lys Leu Leu Val Ile Leu Ile Phe Ser Gly Leu Ile Thr Cys Cys		
1	5	10
		15
Gly Gly Asn Ser Ser His Ser Leu Pro Ser Lys Leu Leu Leu Val Ser		
20	25	30
Phe Asp Gly Phe Arg Ala Asp Tyr Leu Gln Asn Tyr Glu Phe Pro His		
35	40	45
Leu Gln Asn Phe Ile Lys Glu Gly Val Leu Val Glu His Val Lys Asn		
50	55	60
Val Phe Ile Thr Lys Thr Phe Pro Asn His Tyr Ser Ile Val Thr Gly		
65	70	75
		80
Leu Tyr Glu Glu Ser His Gly Ile Val Ala Asn Ser Met Tyr Asp Val		
85	90	95
Ile Thr Lys Lys His Phe Ser Asp Phe Asp Asp Lys Asp Pro Phe Trp		
100	105	110
Trp Asn Glu Ala Val Pro Ile Trp Val Thr Asn Gln Leu Gln Glu Asn		
115	120	125
Arg Ser Ser Ala Ala Ala Met Trp Pro Gly Thr Asp Val Pro Ile His		
130	135	140
Asn Thr Thr Pro Ser Tyr Phe Met Asn Tyr Ser Ser Ser Val Ser Phe		
145	150	155
		160
Glu Glu Arg Leu Asn Asn Ile Thr Met Trp Leu Met Asn Ser Asn Pro		
165	170	175
Pro Val Thr Phe Ala Thr Leu Tyr Trp Glu Glu Pro Asp Ala Ser Gly		
180	185	190
His Lys Tyr Gly Pro Glu Asp Lys Glu Asn Met Tyr Arg Val Leu Lys		
195	200	205
Glu Val Asp Asp Leu Ile Gly Glu Leu Val His Lys Leu Lys Val Leu		
210	215	220
Gly Leu Trp Glu Asn Leu Asn Val Ile Ile Thr Ser Asp His Gly Met		
225	230	235
		240

Thr Gln Cys Ser Lys Asp Lys Leu Ile Asn Leu Asp Leu Cys Ile Asp
 245 250 255

 Arg Ser Ser Tyr Thr Leu Val Asp Leu Thr Pro Val Ala Ala Val Leu
 260 265 270

 Pro Lys Ile Asn Thr Thr Glu Val Tyr Asn Lys Leu Lys Val Cys Asn
 275 280 285

 Pro His Met Asn Val Tyr Leu Lys Glu Asp Ile Pro Ala Arg Phe His
 290 295 300

 Tyr Gln His Asn Asp Arg Ile Gln Pro Ile Ile Leu Val Ala Asp Glu
 305 310 315 320

 Gly Trp Thr Ile Val Leu Asn Lys Ser Leu Pro Lys Leu Gly Asp His
 325 330 335

 Gly Tyr Asp Asn Ser Leu Ser Ser Met His Pro Phe Leu Ala Ala His
 340 345 350

 Gly Pro Ala Phe His Lys Gly Tyr Lys His Ser Thr Ile Asn Ser Val
 355 360 365

 Asp Ile Tyr Pro Met Met Cys His Ile Leu Gly Leu Lys Pro His Pro
 370 375 380

 Asn Asn Gly Thr Phe Gly His Thr Lys Cys Leu Leu Val Asp Gln Trp
 385 390 395 400

 Cys Ile Asn Leu Pro Glu Ala Ile Gly Ile Val Ile Gly Ala Leu Leu
 405 410 415

 Val Leu Thr Thr Leu Thr Cys Leu Ile Ile Ile Met Gln Asn Arg Leu
 420 425 430

 Ser Val Pro Arg Pro Phe Ser Arg Leu Gln Leu Gln Glu Asp Asp Asp
 435 440 445

 Asp Pro Leu Ile Glu
 450

<210> 2171
 <211> 287
 <212> PRT
 <213> Homo sapiens

<400> 2171
 Met Gly Ala Leu Arg Pro Thr Leu Leu Pro Pro Ser Leu Pro Leu Leu
 1 5 10 15

 Leu Leu Leu Met Leu Gly Met Gly Cys Trp Ala Arg Glu Val Leu Val
 20 25 30

 Pro Glu Gly Pro Leu Tyr Arg Val Ala Gly Thr Ala Val Ser Ile Ser
 35 40 45

Cys Asn Val Thr Gly Tyr Glu Gly Pro Ala Gln Gln Asn Phe Glu Trp
 50 55 60

Phe Leu Tyr Arg Pro Glu Ala Pro Asp Thr Ala Leu Gly Ile Val Ser
 65 70 75 80

Thr Lys Asp Thr Gln Phe Ser Tyr Ala Val Phe Lys Ser Arg Val Val
 85 90 95

Ala Gly Glu Val Gln Val Gln Arg Leu Gln Gly Asp Ala Val Val Leu
 100 105 110

Lys Ile Ala Arg Leu Gln Ala Gln Asp Ala Gly Ile Tyr Glu Cys His
 115 120 125

Thr Pro Ser Thr Asp Thr Arg Tyr Leu Gly Ser Tyr Ser Gly Lys Val
 130 135 140

Glu Leu Arg Val Leu Pro Asp Val Leu Gln Val Ser Ala Ala Pro Pro
 145 150 155 160

Gly Pro Arg Gly Arg Gln Ala Pro Thr Ser Pro Pro Arg Met Thr Val
 165 170 175

His Glu Gly Gln Glu Leu Ala Leu Gly Cys Leu Ala Arg Thr Ser Thr
 180 185 190

Gln Lys His Thr His Leu Ala Val Ser Phe Gly Arg Ser Val Pro Glu
 195 200 205

Ala Pro Val Gly Arg Ser Thr Leu Gln Glu Val Val Gly Ile Arg Ser
 210 215 220

Asp Leu Ala Val Glu Ala Gly Ala Pro Tyr Ala Glu Arg Leu Ala Ala
 225 230 235 240

Gly Glu Leu Arg Leu Gly Lys Glu Gly Thr Asp Arg Tyr Arg Met Val
 245 250 255

Val Gly Gly Ala Gln Ala Gly Asp Ala Gly Thr Tyr His Cys Thr Ala
 260 265 270

Ala Glu Trp Ile Gln Asp Pro Asp Gly Ser Trp Ala Gln Ile Ala
 275 280 285

<210> 2172

<211> 613

<212> PRT

<213> Homo sapiens

<400> 2172

Met Gly Ala Leu Arg Pro Thr Leu Leu Pro Pro Ser Leu Pro Leu Leu
 1 5 10 15Leu Leu Leu Met Leu Gly Met Gly Cys Trp Ala Arg Glu Val Leu Val
 20 25 30Pro Glu Gly Pro Leu Tyr Arg Val Ala Gly Thr Ala Val Ser Ile Ser
 1428

35

40

45

Cys Asn Val Thr Gly Tyr Glu Gly Pro Ala Gln Gln Asn Phe Glu Trp
 50 55 60

Phe Leu Tyr Arg Pro Glu Ala Pro Asp Thr Ala Leu Gly Ile Val Ser
 65 70 75 80

Thr Lys Asp Thr Gln Phe Ser Tyr Ala Val Phe Lys Ser Arg Val Val
 85 90 95

Ala Gly Glu Val Gln Val Gln Arg Leu Gln Gly Asp Ala Val Val Leu
 100 105 110

Lys Ile Ala Arg Leu Gln Ala Gln Asp Ala Gly Ile Tyr Glu Cys His
 115 120 125

Thr Pro Ser Thr Asp Thr Arg Tyr Leu Gly Ser Tyr Ser Gly Lys Val
 130 135 140

Glu Leu Arg Val Leu Pro Asp Val Leu Gln Val Ser Ala Ala Pro Pro
 145 150 155 160

Gly Pro Arg Gly Arg Gln Ala Pro Thr Ser Pro Pro Arg Met Thr Val
 165 170 175

His Glu Gly Gln Glu Leu Ala Leu Gly Cys Leu Ala Arg Thr Ser Thr
 180 185 190

Gln Lys His Thr His Leu Ala Val Ser Phe Gly Arg Ser Val Pro Glu
 195 200 205

Ala Pro Val Gly Arg Ser Thr Leu Gln Glu Val Val Gly Ile Arg Ser
 210 215 220

Asp Leu Ala Val Glu Ala Gly Ala Pro Tyr Ala Glu Arg Leu Ala Ala
 225 230 235 240

Gly Glu Leu Arg Leu Gly Lys Glu Gly Thr Asp Arg Tyr Arg Met Val
 245 250 255

Val Gly Gly Ala Gln Ala Gly Asp Ala Gly Thr Tyr His Cys Thr Ala
 260 265 270

Ala Glu Trp Ile Gln Asp Pro Asp Gly Ser Trp Ala Gln Ile Ala Glu
 275 280 285

Lys Arg Ala Val Leu Ala His Val Asp Val Gln Thr Leu Ser Ser Gln
 290 295 300

Leu Ala Val Thr Val Gly Pro Gly Glu Arg Arg Ile Gly Pro Gly Glu
 305 310 315 320

Pro Leu Glu Leu Leu Cys Asn Val Ser Gly Ala Leu Pro Pro Ala Gly
 325 330 335

Arg His Ala Ala Tyr Ser Val Gly Trp Glu Met Ala Pro Ala Gly Ala
 340 345 350

Pro Gly Pro Gly Arg Leu Val Ala Gln Leu Asp Thr Glu Gly Val Gly

355	360	365
Ser Leu Gly Pro Gly Tyr Glu Gly Arg His Ile Ala Met Glu Lys Val		
370	375	380
Ala Ser Arg Thr Tyr Arg Leu Arg Leu Glu Ala Ala Arg Pro Gly Asp		
385	390	395
400		
Ala Gly Thr Tyr Arg Cys Leu Ala Lys Ala Tyr Val Arg Gly Ser Gly		
405	410	415
Thr Arg Leu Arg Glu Ala Ala Ser Ala Arg Ser Arg Pro Leu Pro Val		
420	425	430
His Val Arg Glu Glu Gly Val Val Leu Glu Ala Val Ala Trp Leu Ala		
435	440	445
Gly Gly Thr Val Tyr Arg Gly Glu Thr Ala Ser Leu Leu Cys Asn Ile		
450	455	460
Ser Val Arg Gly Gly Pro Pro Gly Leu Arg Leu Ala Ala Ser Trp Trp		
465	470	475
480		
Val Glu Arg Pro Glu Asp Gly Glu Leu Ser Ser Val Pro Ala Gln Leu		
485	490	495
Val Gly Gly Val Gly Gln Asp Gly Val Ala Glu Leu Gly Val Arg Pro		
500	505	510
Gly Gly Gly Pro Val Ser Val Glu Leu Val Gly Pro Arg Ser His Arg		
515	520	525
Leu Arg Leu His Ser Leu Gly Pro Glu Asp Glu Gly Val Tyr His Cys		
530	535	540
Ala Pro Ser Ala Trp Val Gln His Ala Asp Tyr Ser Trp Tyr Gln Ala		
545	550	555
560		
Gly Ser Ala Arg Ser Gly Pro Val Thr Val Tyr Pro Tyr Met His Ala		
565	570	575
Leu Asp Thr Leu Phe Val Pro Leu Leu Val Gly Thr Gly Val Ala Leu		
580	585	590
Val Thr Gly Ala Thr Val Leu Gly Thr Ile Thr Cys Cys Phe Met Lys		
595	600	605
Arg Leu Arg Lys Arg		
610		

<210> 2173

<211> 122

<212> PRT

<213> Homo sapiens

<400> 2173

Met Trp Gly Trp Gly Ser Leu Val Ser Ala Arg Gly Gly Trp Gly Val
1 5 10 15

Phe Ile Tyr Leu Tyr Met Gly Leu Tyr Ile Val Leu Trp Gly Met Gly
 20 25 30

Glu Pro Ala Gly Gly Glu Asn Pro Pro Leu Ser Pro His Pro Pro Gly
 35 40 45

Arg Ala Asn Val Lys Leu Leu Ile Phe Val Leu Tyr Ile Phe Tyr Ile
 50 55 60

Asn Ile Ser Ile Phe Phe Leu Gln Asn Gln Phe Ile Asn Gly Arg Gly
 65 70 75 80

Val Trp Gly Gly His Met Glu Leu Pro Leu Trp Gly Gly Pro Leu His
 85 90 95

Tyr Pro Thr Tyr Arg Pro Phe Pro His Pro Pro Pro His Ser Pro Pro
 100 105 110

Pro Gly Cys Asp Cys Cys Lys Met Gly Val
 115 120

<210> 2174

<211> 613

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (507)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2174

Met Gly Ala Leu Arg Pro Thr Leu Leu Pro Pro Ser Leu Pro Leu Leu
 1 5 10 15Leu Leu Leu Met Leu Gly Met Gly Cys Trp Ala Arg Glu Val Leu Val
 20 25 30Pro Glu Gly Pro Leu Tyr Arg Val Ala Gly Thr Ala Val Ser Ile Ser
 35 40 45Cys Asn Val Thr Gly Tyr Glu Gly Pro Ala Gln Gln Asn Phe Glu Trp
 50 55 60Phe Leu Tyr Arg Pro Glu Ala Pro Asp Thr Ala Leu Gly Ile Val Ser
 65 70 75 80Thr Lys Asp Thr Gln Phe Ser Tyr Ala Val Phe Lys Ser Arg Val Val
 85 90 95Ala Gly Glu Val Gln Val Gln Arg Leu Gln Gly Asp Ala Val Val Leu
 100 105 110Lys Ile Ala Arg Leu Gln Ala Gln Asp Ala Gly Ile Tyr Glu Cys His
 115 120 125

Thr Pro Ser Thr Asp Thr Arg Tyr Leu Gly Ser Tyr Ser Gly Lys Val

130	135	140
Glu Leu Arg Val Leu Pro Asp Val Leu Gln Val Ser Ala Ala Pro Pro		
145	150	155
Gly Pro Arg Gly Arg Gln Ala Pro Thr Ser Pro Pro Arg Met Thr Val		
165	170	175
His Glu Gly Gln Glu Leu Ala Leu Gly Cys Leu Ala Arg Thr Ser Thr		
180	185	190
Gln Lys His Thr His Leu Ala Val Ser Phe Gly Arg Ser Val Pro Glu		
195	200	205
Ala Pro Val Gly Arg Ser Thr Leu Gln Glu Val Val Gly Ile Arg Ser		
210	215	220
Asp Leu Ala Val Glu Ala Gly Ala Pro Tyr Ala Glu Arg Leu Ala Ala		
225	230	235
Gly Glu Leu Arg Leu Gly Lys Glu Gly Thr Asp Arg Tyr. Arg Met Val		
245	250	255
Val Gly Gly Ala Gln Ala Gly Asp Ala Gly Thr Tyr His Cys Thr Ala		
260	265	270
Ala Glu Trp Ile Gln Asp Pro Asp Gly Ser Trp Ala Gln Ile Ala Glu		
275	280	285
Lys Arg Ala Val Leu Ala His Val Asp Val Gln Thr Leu Ser Ser Gln		
290	295	300
Leu Ala Val Thr Val Gly Pro Gly Glu Arg Arg Ile Gly Pro Gly Glu		
305	310	315
Pro Leu Glu Leu Leu Cys Asn Val Ser Gly Ala Leu Pro Pro Ala Gly		
325	330	335
Arg His Ala Ala Tyr Ser Val Gly Trp Glu Met Ala Pro Ala Gly Ala		
340	345	350
Pro Gly Pro Gly Arg Leu Val Ala Gln Leu Asp Thr Glu Gly Val Gly		
355	360	365
Ser Leu Gly Pro Gly Tyr Glu Gly Arg His Ile Ala Met Glu Lys Val		
370	375	380
Ala Ser Arg Thr Tyr Arg Leu Arg Leu Glu Ala Ala Arg Pro Gly Asp		
385	390	395
Ala Gly Thr Tyr Arg Cys Leu Ala Lys Ala Tyr Val Arg Gly Ser Gly		
405	410	415
Thr Arg Leu Arg Glu Ala Ala Ser Ala Arg Ser Arg Pro Leu Pro Val		
420	425	430
His Val Arg Glu Glu Gly Val Val Leu Glu Ala Val Ala Trp Leu Ala		
435	440	445
Gly Gly Thr Val Tyr Arg Gly Glu Thr Ala Ser Leu Leu Cys Asn Ile		

450	455	460
Ser Val Arg Gly Gly Pro Pro Gly Leu Arg Leu Ala Ala Ser Trp Trp		
465	470	475
480		
Val Glu Arg Pro Glu Asp Gly Glu Leu Ser Ser Val Pro Ala Gln Leu		
485	490	495
Val Gly Gly Val Gly Gln Asp Gly Val Ala Xaa Leu Gly Val Arg Pro		
500	505	510
Gly Gly Gly Pro Val Ser Val Glu Leu Val Gly Pro Arg Ser His Arg		
515	520	525
Leu Arg Leu His Ser Leu Gly Pro Glu Asp Glu Gly Val Tyr His Cys		
530	535	540
Ala Pro Ser Ala Trp Val Gln His Ala Asp Tyr Ser Trp Tyr Gln Ala		
545	550	555
560		
Gly Ser Ala Arg Ser Gly Pro Val Thr Val Tyr Pro Tyr Met His Ala		
565	570	575
Leu Asp Thr Leu Phe Val Pro Leu Leu Val Gly Thr Gly Val Ala Leu		
580	585	590
Val Thr Gly Ala Thr Val Leu Gly Thr Ile Thr Cys Cys Phe Met Lys		
595	600	605
Arg Leu Arg Lys Arg		
610		

<210> 2175

<211> 60

<212> PRT

<213> Homo sapiens

<400> 2175

Met Ala Trp Ala Val Thr Leu Ile Leu Ser Leu Ser Arg Ala Val Arg		
1	5	10
15		

Thr Gln Glu Val Pro Met Ala Leu Gln Ala His Ser Gly Ile Gln Leu		
20	25	30

Ala Ser Arg Val Gly Leu Pro Gly Pro Trp Pro Glu Cys Ser Thr Leu		
35	40	45

Ser Ser Arg Cys His Leu Ser Met Asp Ser Lys Val		
50	55	60

<210> 2176

<211> 396

<212> PRT

<213> Homo sapiens

<400> 2176

Met Trp Trp Leu Leu Leu Trp Gly Val Leu Gln Ala Cys Pro Thr Arg
 1 5 10 15

Gly Ser Val Leu Leu Ala Gln Glu Leu Pro Gln Gln Leu Thr Ser Pro
 20 25 30

Gly Tyr Pro Glu Pro Tyr Gly Lys Gly Gln Glu Ser Ser Thr Asp Ile
 35 40 45

Lys Ala Pro Glu Gly Phe Ala Val Arg Leu Val Phe Gln Asp Phe Asp
 50 55 60

Leu Glu Pro Ser Gln Asp Cys Ala Gly Asp Ser Val Thr Ile Ser Phe
 65 70 75 80

Val Gly Ser Asp Pro Ser Gln Phe Cys Gly Gln Gln Gly Ser Pro Leu
 85 90 95

Gly Arg Pro Pro Gly Gln Arg Glu Phe Val Ser Ser Gly Arg Ser Leu
 100 105 110

Arg Leu Thr Phe Arg Thr Gln Pro Ser Ser Glu Asn Lys Thr Ala His
 115 120 125

Leu His Lys Gly Phe Leu Ala Leu Tyr Gln Thr Val Ala Val Asn Tyr
 130 135 140

Ser Gln Pro Ile Ser Glu Ala Ser Arg Gly Ser Glu Ala Ile Asn Ala
 145 150 155 160

Pro Gly Asp Asn Pro Ala Lys Val Gln Asn His Cys Gln Glu Pro Tyr
 165 170 175

Tyr Gln Ala Ala Ala Ala Gly Ala Leu Thr Cys Ala Thr Pro Gly Thr
 180 185 190

Trp Lys Asp Arg Gln Asp Gly Glu Glu Val Leu Gln Cys Met Pro Val
 195 200 205

Cys Gly Arg Pro Val Thr Pro Ile Ala Gln Asn Gln Thr Thr Leu Gly
 210 215 220

Ser Ser Arg Ala Lys Leu Gly Asn Phe Pro Trp Gln Ala Phe Thr Ser
 225 230 235 240

Ile His Gly Arg Gly Gly Ala Leu Leu Gly Asp Arg Trp Ile Leu
 245 250 255

Thr Ala Ala His Thr Ile Tyr Pro Lys Asp Ser Val Ser Leu Arg Lys
 260 265 270

Asn Gln Ser Val Asn Val Phe Leu Gly His Thr Ala Ile Asp Glu Met
 275 280 285

Leu Lys Leu Gly Asn His Pro Val His Arg Val Val Val His Pro Asp
 290 295 300

Tyr Arg Gln Asn Glu Ser His Asn Phe Ser Gly Asp Ile Ala Leu Leu
 305 310 315 320

Glu	Leu	Gln	His	Ser	Ile	Pro	Leu	Gly	Pro	Asn	Val	Leu	Pro	Val	Cys
					325				330				335		
Leu	Pro	Asp	Asn	Glu	Thr	Leu	Tyr	Arg	Ser	Gly	Leu	Leu	Gly	Tyr	Val
		340				345						350			
Ser	Gly	Phe	Gly	Met	Glu	Met	Gly	Trp	Leu	Thr	Thr	Glu	Leu	Lys	Tyr
	355					360				365					
Ser	Arg	Leu	Pro	Val	Ala	Pro	Arg	Glu	Ala	Cys	Asn	Ala	Trp	Leu	Gln
	370				375					380					
Lys	Arg	Gln	Arg	Pro	Glu	Lys	Lys	Lys	Lys	Lys	Lys				
	385				390				395						

<210> 2177

<211> 172

<212> PRT

<213> Homo sapiens

<400> 2177

Gly	Thr	Arg	Thr	Glu	Arg	Asp	Glu	Leu	Leu	Lys	Asp	Leu	Gln	Gln	Ser
	1			5				10		15					

Ile	Ala	Arg	Glu	Pro	Ser	Ala	Pro	Ser	Ile	Pro	Thr	Pro	Ala	Tyr	Gln
	20					25					30				

Ser	Leu	Pro	Ala	Gly	Gly	His	Ala	Pro	Thr	Pro	Pro	Thr	Pro	Ala	Pro
	35					40					45				

Arg	Thr	Met	Pro	Pro	Thr	Lys	Pro	Gln	Pro	Pro	Ala	Arg	Pro	Pro	Pro
	50					55					60				

Pro	Val	Leu	Pro	Ala	Asn	Arg	Ala	Pro	Ser	Ala	Thr	Ala	Pro	Ser	Pro
	65				70				75		80				

Val	Gly	Ala	Gly	Thr	Ala	Ala	Pro	Ser	Gln	Thr	Pro	Gly	Ser		
				85				90			95				

Ala	Pro	Pro	Pro	Gln	Ala	Gln	Gly	Pro	Pro	Tyr	Pro	Thr	Tyr	Pro	Gly
	100							105			110				

Tyr	Pro	Gly	Tyr	Cys	Gln	Met	Pro	Met	Pro	Met	Gly	Tyr	Asn	Pro	Tyr
	115					120					125				

Ala	Tyr	Gly	Gln	Tyr	Asn	Met	Pro	Tyr	Pro	Pro	Val	Tyr	His	Gln	Ser
	130					135					140				

Pro	Gly	Gln	Ala	Pro	Tyr	Pro	Gly	Pro	Gln	Gln	Pro	Ser	Tyr	Pro	Phe
	145					150			155			160			

Pro	Gln	Pro	Pro	Gln	Gln	Ser	Tyr	Tyr	Pro	Gln	Gln				
						165			170						

<210> 2178

<211> 142

<212> PRT
<213> *Homo sapiens*

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2178
Met His Gln Leu Leu Gln Leu Gln Arg Gln Glu Pro Cys Arg Leu Leu
1 5 10 15

Ser Pro Ser Pro Gln Pro Gly Leu His His Leu Cys Phe Gln Gln Ile
20 25 30

Glu Leu Leu Leu Leu Leu His Leu Gln Trp Gly Leu Gly Leu Leu
35 40 45

Arg Gln Leu His His Lys Arg Leu Ala Gln Leu Leu Leu Leu His Arg Arg
50 55 60

Arg Asp His Pro Ile Pro Pro Ile Gln Asp Ile Leu Gly Ile Ala Lys
65 70 75 80

Cys Pro Cys Pro Trp Ala Ile Ile Leu Met Arg Met Ala Ser Ile Ile
 85 90 95

Cys His Ile His Gln Cys Ile Thr Arg Val Leu Asp Arg Leu Xaa Thr
 100 105 110

Arg Asp Pro Ser Ser Leu His Thr Pro Ser Leu Ser Pro His Ser Ser
115 120 . . 125

Leu Thr Ile His Ser Ser Asn Met Ser Ala Gln Gln Leu Ser
130 135 140

<210> 2179
<211> 868
<212> PRT
<213> *Homo sapiens*

<220>
<221> SITE
<222> (194)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (309)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (550)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2179
Met Ala Thr Phe Ile Ser Val Gln Leu Lys Lys Thr Ser Glu Val Asp

1

5

10

15

Leu Ala Lys Pro Leu Val Lys Phe Ile Gln Gln Thr Tyr Pro Ser Gly
 20 25 30

Gly Glu Glu Gln Ala Gln Tyr Cys Arg Ala Ala Glu Glu Leu Ser Lys
 35 40 45

Leu Arg Arg Ala Ala Val Gly Arg Pro Leu Asp Lys His Glu Gly Ala
 50 55 60

Leu Glu Thr Leu Leu Arg Tyr Tyr Asp Gln Ile Cys Ser Ile Glu Pro
 65 70 75 80

Lys Phe Pro Phe Ser Glu Asn Gln Ile Cys Leu Thr Phe Thr Trp Lys
 85 90 95

Asp Ala Phe Asp Lys Gly Ser Leu Phe Gly Gly Ser Val Lys Leu Ala
 100 105 110

Leu Ala Ser Leu Gly Tyr Glu Lys Ser Cys Val Leu Phe Asn Cys Ala
 115 120 125

Ala Leu Ala Ser Gln Ile Ala Ala Glu Gln Asn Leu Asp Asn Asp Glu
 130 135 140

Gly Leu Lys Ile Ala Ala Lys His Tyr Gln Phe Ala Ser Gly Ala Phe
 145 150 155 160

Leu His Ile Lys Glu Thr Val Leu Ser Ala Leu Ser Arg Glu Pro Thr
 165 170 175

Val Asp Ile Ser Pro Asp Thr Val Gly Thr Leu Ser Leu Ile Met Leu
 180 185 190

Ala Xaa Ala Gln Glu Val Phe Phe Leu Lys Ala Thr Arg Asp Lys Met
 195 200 205

Lys Asp Ala Ile Ile Ala Lys Leu Ala Asn Gln Ala Ala Asp Tyr Phe
 210 215 220

Gly Asp Ala Phe Lys Gln Cys Gln Tyr Lys Asp Thr Leu Pro Lys Glu
 225 230 235 240

Val Phe Pro Val Leu Ala Ala Lys His Cys Ile Met Gln Ala Asn Ala
 245 250 255

Glu Tyr His Gln Ser Ile Leu Ala Lys Gln Gln Lys Lys Phe Gly Glu
 260 265 270

Glu Ile Ala Arg Leu Gln His Ala Ala Glu Leu Ile Lys Thr Val Ala
 275 280 285

Ser Arg Tyr Asp Glu Tyr Val Asn Val Lys Asp Phe Ser Asp Lys Ile
 290 295 300

Asn Arg Ala Leu Xaa Ala Ala Lys Lys Asp Asn Asp Phe Ile Tyr His
 305 310 315 320

Asp Arg Val Pro Asp Leu Lys Asp Leu Asp Pro Ile Gly Lys Ala Thr

325	330	335
Leu Val Lys Ser Thr Pro Val Asn Val Pro Ile Ser Gln Lys Phe Thr 340	345	350
Asp Leu Phe Glu Lys Met Val Pro Val Ser Val Gln Gln Ser Leu Ala 355	360	365
Ala Tyr Asn Gln Arg Lys Ala Asp Leu Val Asn Arg Ser Ile Ala Gln 370	375	380
Met Arg Glu Ala Thr Thr Leu Ala Asn Gly Val Leu Ala Ser Leu Asn 385	390	395
Leu Pro Ala Ala Ile Glu Asp Val Ser Gly Asp Thr Val Pro Gln Ser 405	410	415
Ile Leu Thr Lys Ser Arg Ser Val Ile Glu Gln Gly Gly Ile Gln Thr 420	425	430
Val Asp Gln Leu Ile Lys Glu Leu Pro Glu Leu Leu Gln Arg Asn Arg 435	440	445
Glu Ile Leu Asp Glu Ser Leu Arg Leu Leu Asp Glu Glu Glu Ala Thr 450	455	460
Asp Asn Asp Leu Arg Ala Lys Phe Lys Glu Arg Trp Gln Arg Thr Pro 465	470	475
Ser Asn Glu Leu Tyr Lys Pro Leu Arg Ala Glu Gly Thr Asn Phe Arg 485	490	495
Thr Val Leu Asp Lys Ala Val Gln Ala Asp Gly Gln Val Lys Glu Cys 500	505	510
Tyr Gln Ser His Arg Asp Thr Ile Val Leu Leu Cys Lys Pro Glu Pro 515	520	525
Glu Leu Asn Ala Ala Ile Pro Ser Ala Asn Pro Ala Lys Thr Met Gln 530	535	540
Gly Ser Glu Val Val Xaa Val Leu Lys Ser Leu Leu Ser Asn Leu Asp 545	550	555
Glu Val Lys Lys Glu Arg Glu Gly Leu Glu Asn Asp Leu Lys Ser Val 565	570	575
Asn Phe Asp Met Thr Ser Lys Phe Leu Thr Ala Leu Ala Gln Asp Gly 580	585	590
Val Ile Asn Glu Glu Ala Leu Ser Val Thr Glu Leu Asp Arg Val Tyr 595	600	605
Gly Gly Leu Thr Thr Lys Val Gln Glu Ser Leu Lys Lys Gln Glu Gly 610	615	620
Leu Leu Lys Asn Ile Gln Val Ser His Gln Glu Phe Ser Lys Met Lys 625	630	635
Gln Ser Asn Asn Glu Ala Asn Leu Arg Glu Glu Val Leu Lys Asn Leu		

645	650	655
Ala Thr Ala Tyr Asp Asn Phe Val Glu Leu Val Ala Asn Leu Lys Glu		
660	665	670
Gly Thr Lys Phe Tyr Asn Glu Leu Thr Glu Ile Leu Val Arg Phe Gln		
675	680	685
Asn Lys Cys Ser Asp Ile Val Phe Ala Arg Lys Thr Glu Arg Asp Glu		
690	695	700
Leu Leu Lys Asp Leu Gln Gln Ser Ile Ala Arg Glu Pro Ser Ala Pro		
705	710	715
Ser Ile Pro Thr Pro Ala Tyr Gln Ser Leu Pro Ala Gly Gly His Ala		
725	730	735
Pro Thr Pro Pro Thr Pro Ala Pro Arg Thr Met Pro Pro Thr Lys Pro		
740	745	750
Gln Pro Pro Ala Arg Pro Pro Pro Pro Val Leu Pro Ala Asn Arg Ala		
755	760	765
Pro Ser Ala Thr Ala Pro Ser Pro Val Gly Ala Gly Thr Ala Ala Pro		
770	775	780
Ala Pro Ser Gln Thr Pro Gly Ser Ala Pro Pro Pro Gln Ala Gln Gly		
785	790	795
Pro Pro Tyr Pro Thr Tyr Pro Gly Tyr Pro Gly Tyr Cys Gln Met Pro		
805	810	815
Met Pro Met Gly Tyr Asn Pro Tyr Ala Tyr Gly Gln Tyr Asn Met Pro		
820	825	830
Tyr Pro Pro Val Tyr His Gln Ser Pro Gly Gln Ala Pro Tyr Pro Gly		
835	840	845
Pro Gln Gln Pro Ser Tyr Pro Phe Pro Gln Pro Pro Gln Gln Ser Tyr		
850	855	860
Tyr Pro Gln Gln		
865		

<210> 2180
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 2180
 Met Lys Pro Ala Thr Ala Ser Ala Leu Leu Leu Leu Leu Gly Leu
 1 5 10 15

Ala Trp Thr Gln Gly Ser His Gly Trp Gly Ala Asp Ala Ser Ser Leu
 20 25 30

Gln Lys Arg Ala Gly Arg Ala Asp Gln Pro Gly Ala Gly Trp Gln Glu
 35 40 45

Val Ala Ala Val Thr Ser Lys Asn Tyr Asn Tyr Asn Gln His Ala Tyr
 50 55 60

Pro Thr Ala Tyr Gly Gly Lys Tyr Ser Val Lys Thr Pro Ala Lys Gly
 65 70 75 80

Gly Val Ser Pro Ser Ser Ser Ala Ser Arg Val Gln Pro Gly Leu Leu
 85 90 95

Gln Trp Val Lys Phe Trp
 100

<210> 2181

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2181

Met Phe Leu Phe Gly Gly Phe Leu Met Thr Leu Phe Gly Leu Phe Val
 1 5 10 15

Ser Leu Val Phe Leu Gly Gln Ala Phe Thr Ile Met Leu Val Tyr Val
 20 25 30

Trp Ser Arg Xaa Asn Pro Tyr Val Arg Met Asn Phe Phe Gly Leu Leu
 35 40 45

Asn Phe Gln Ala Pro Phe Leu Pro Trp Val Leu Met Gly Phe Ser Leu
 50 55 60

Leu Leu Gly Asn Ser Ile Ile Val Asp Leu Leu Gly Ile Ala Val Gly
 65 70 75 80

His Ile Tyr Phe Phe Leu Glu Asp Val Phe Pro Asn Gln Pro Gly Gly
 85 90 95

Ile Arg Ile Leu Lys Thr Pro Ser Ile Leu Lys Ala Ile Phe Asp Thr
 100 105 110

Pro Asp Glu Asp Pro Asn Tyr Asn Pro Leu Pro Glu Glu Arg Pro Gly
 115 120 125

Gly Phe Ala Trp Gly Glu Gly Gln Arg Leu Gly Gly
 130 135 140

<210> 2182

<211> 156

<212> PRT

<213> Homo sapiens

<400> 2182
 Met Leu Glu Glu Gly Ser Phe Arg Gly Arg Thr Ala Asp Phe Val Phe
 1 5 10 15
 Met Phe Leu Phe Gly Gly Phe Leu Met Thr Leu Phe Gly Leu Phe Val
 20 25 30
 Ser Leu Val Phe Leu Gly Gln Ala Phe Thr Ile Met Leu Val Tyr Val
 35 40 45
 Trp Ser Arg Arg Asn Pro Tyr Val Arg Met Asn Phe Phe Gly Leu Leu
 50 55 60
 Asn Phe Gln Ala Pro Phe Leu Pro Trp Val Leu Met Gly Phe Ser Leu
 65 70 75 80
 Leu Leu Gly Asn Ser Ile Ile Val Asp Leu Leu Gly Ile Ala Val Gly
 85 90 95
 His Ile Tyr Phe Phe Leu Glu Asp Val Phe Pro Asn Gln Pro Gly Gly
 100 105 110
 Ile Arg Ile Leu Lys Thr Pro Ser Ile Leu Lys Ala Ile Phe Asp Thr
 115 120 125
 Pro Asp Glu Asp Pro Asn Tyr Asn Pro Leu Pro Glu Glu Arg Pro Gly
 130 135 140
 Gly Phe Ala Trp Gly Glu Gly Gln Arg Leu Gly Gly
 145 150 155

<210> 2183
<211> 239
<212> PRT
<213> Homo sapiens

<400> 2183
 Met Ala Tyr Gln Ser Leu Arg Leu Glu Tyr Leu Gln Ile Pro Pro Val
 1 5 10 15
 Ser Arg Ala Tyr Thr Thr Ala Cys Val Leu Thr Thr Ala Ala Val Gln
 20 25 30
 Leu Glu Leu Ile Thr Pro Phe Gln Leu Tyr Phe Asn Pro Glu Leu Ile
 35 40 45
 Phe Lys His Phe Gln Ile Trp Arg Leu Ile Thr Asn Phe Leu Phe Phe
 50 55 60
 Gly Pro Val Gly Phe Asn Phe Leu Phe Asn Met Ile Phe Leu Tyr Arg
 65 70 75 80
 Tyr Cys Arg Met Leu Glu Glu Gly Ser Phe Arg Gly Arg Thr Ala Asp
 85 90 95
 Phe Val Phe Met Phe Leu Phe Gly Gly Phe Leu Met Thr Leu Phe Gly
 100 105 110

Leu Phe Val Ser Leu Val Phe Leu Gly Gln Ala Phe Thr Ile Met Leu
 115 120 125

Val Tyr Val Trp Ser Arg Arg Asn Pro Tyr Val Arg Met Asn Phe Phe
 130 135 140

Gly Leu Leu Asn Phe Gln Ala Pro Phe Leu Pro Trp Val Leu Met Gly
 145 150 155 160

Phe Ser Leu Leu Leu Gly Asn Ser Ile Ile Val Asp Leu Leu Gly Ile
 165 170 175

Ala Val Gly His Ile Tyr Phe Phe Leu Glu Asp Val Phe Pro Asn Gln
 180 185 190

Pro Gly Gly Ile Arg Ile Leu Lys Thr Pro Ser Ile Leu Lys Ala Ile
 195 200 205

Phe Asp Thr Pro Asp Glu Asp Pro Asn Tyr Asn Pro Leu Pro Glu Glu
 210 215 220

Arg Pro Gly Gly Phe Ala Trp Gly Glu Gly Gln Arg Leu Gly Gly
 225 230 235

<210> 2184

<211> 132

<212> PRT

<213> Homo sapiens

<400> 2184

Met Thr Leu Phe Gly Leu Phe Val Ser Leu Val Phe Leu Gly Gln Ala
 1 5 10 15

Phe Thr Ile Met Leu Val Tyr Val Trp Ser Arg Arg Asn Pro Tyr Val
 20 25 30

Arg Met Asn Phe Phe Gly Leu Leu Asn Phe Gln Ala Pro Phe Leu Pro
 35 40 45

Trp Val Leu Met Gly Phe Ser Leu Leu Gly Asn Ser Ile Ile Val
 50 55 60

Asp Leu Leu Gly Ile Ala Val Gly His Ile Tyr Phe Phe Leu Glu Asp
 65 70 75 80

Val Phe Pro Asn Gln Pro Gly Gly Ile Arg Ile Leu Lys Thr Pro Ser
 85 90 95

Ile Leu Lys Ala Ile Phe Asp Thr Pro Asp Glu Asp Pro Asn Tyr Asn
 100 105 110

Pro Leu Pro Glu Glu Arg Pro Gly Gly Phe Ala Trp Gly Glu Gly Gln
 115 120 125

Arg Leu Gly Gly
 130

<210> 2185

<211> 339

<212> PRT

<213> Homo sapiens

<400> 2185

Met	Ser	Trp	Ser	Thr	Phe	Leu	Leu	Ala	Glu	Ala	Cys	Gly	Phe	Thr	Gly
1															
					5					10					15

Val	Val	Ala	Val	Leu	Phe	Cys	Gly	Ile	Thr	Gln	Ala	His	Tyr	Thr	Tyr
					20			25							30

Asn	Asn	Leu	Ser	Val	Glu	Ser	Arg	Ser	Arg	Thr	Lys	Gln	Leu	Phe	Glu
					35			40							45

Val	Leu	His	Phe	Leu	Ala	Glu	Asn	Phe	Ile	Phe	Ser	Tyr	Met	Gly	Leu
					50			55							60

Ala	Leu	Phe	Thr	Phe	Gln	Lys	His	Val	Phe	Ser	Pro	Ile	Phe	Ile	Ile
					65			70			75				80

Gly	Ala	Phe	Val	Ala	Ile	Phe	Leu	Gly	Arg	Ala	Ala	His	Ile	Tyr	Pro
					85			90							95

Leu	Ser	Phe	Phe	Leu	Asn	Leu	Gly	Arg	Arg	His	Lys	Ile	Gly	Trp	Asn
					100			105							110

Phe	Gln	His	Met	Met	Phe	Ser	Gly	Leu	Arg	Gly	Ala	Met	Ala	Phe	
					115			120							125

Ala	Leu	Ala	Ile	Arg	Asp	Thr	Ala	Ser	Tyr	Ala	Arg	Gln	Met	Met	Phe
					130			135							140

Thr	Thr	Thr	Leu	Leu	Ile	Val	Phe	Phe	Thr	Val	Trp	Ile	Ile	Gly	Gly
					145			150			155				160

Gly	Thr	Thr	Pro	Met	Leu	Ser	Trp	Leu	Asn	Ile	Arg	Val	Gly	Val	Asp
					165			170							175

Pro	Asp	Gln	Asp	Pro	Pro	Asn	Asn	Asp	Ser	Phe	Gln	Val	Leu	Gln	
					180			185							190

Gly	Asp	Gly	Pro	Asp	Ser	Ala	Arg	Gly	Asn	Arg	Thr	Lys	Gln	Glu	Ser
					195			200							205

Ala	Trp	Ile	Phe	Arg	Leu	Trp	Tyr	Ser	Phe	Asp	His	Asn	Tyr	Leu	Lys
					210			215							220

Pro	Ile	Leu	Thr	His	Ser	Gly	Pro	Pro	Leu	Thr	Thr	Leu	Pro	Ala	
					225			230			235				240

Trp	Cys	Gly	Leu	Leu	Ala	Arg	Cys	Leu	Thr	Ser	Pro	Gln	Val	Tyr	Asp
					245			250							255

Asn	Gln	Glu	Pro	Leu	Arg	Glu	Glu	Asp	Ser	Asp	Phe	Ile	Leu	Thr	Glu
					260			265							270

Gly	Asp	Leu	Thr	Leu	Thr	Tyr	Gly	Asp	Ser	Thr	Val	Thr	Ala	Asn	Gly
					275			280							285

Ser Ser Ser Ser His Thr Ala Ser Thr Ser Leu Glu Gly Ser Arg Arg
290 295 300

Thr Lys Ser Ser Ser Glu Glu Val Leu Glu Arg Asp Leu Gly Met Gly
 305 310 315 320

Asp Gln Lys Val Ser Ser Arg Gly Thr Arg Leu Val Phe Pro Leu Glu
325 330 . 335

Asp Asn Ala

<210> 2186

<211> 339

<212> PRT

<213> Homo sapiens

<400> 2186

Met Ser Trp Ser Thr Phe Leu Leu Ala Glu Ala Cys Gly Phe Thr Gly
 1 5 10 15

Val Val Ala Val Leu Phe Cys Gly Ile Thr Gln Ala His Tyr Thr Tyr
20 25 30

Val Leu His Phe Leu Ala Glu Asn Phe Ile Phe Ser Tyr Met Gly Leu
50 55 60

Ala Leu Phe Thr Phe Gln Lys His Val Phe Ser Pro Ile Phe Ile Ile
 65 70 75 . 80

Gly Ala Phe Val Ala Ile Phe Leu Gly Arg Ala Ala His Ile Tyr Pro
85 90 95

Leu Ser Phe Phe Leu Asn Leu Gly Arg Arg His Lys Ile Gly Trp Asn
100 105 . 110

Phe Gln His Met Met Met Phe Ser Gly Leu Arg Gly Ala Met Ala Phe
115 . 120 . 125 .

Ala Leu Ala Ile Arg Asp Thr Ala Ser Tyr Ala Arg Gln Met Met Phe
130 135 140

Thr Thr Thr Leu Leu Ile Val Phe Phe Thr Val Trp Ile Ile Gly Gly
145 150 155 160

Gly Thr Thr Pro Met Leu Ser Trp Leu Asn Ile Arg Val Gly Val Asp
165 170 175

Pro Asp Gln Asp Pro Pro Pro Asn Asn Asp Ser Phe Gln Val Leu Gln
180 185 190

Gly Asp Gly Pro Asp Ser Ala Arg Gly Asn Arg Thr Lys Gln Glu Ser
195 200 205

Ala Trp Ile Phe Arg Leu Trp Tyr Ser Phe Asp His Asn Tyr Leu Lys
 210 215 220
 Pro Ile Leu Thr His Ser Gly Pro Pro Leu Thr Thr Thr Leu Pro Ala
 225 230 235 240
 Trp Cys Gly Leu Leu Ala Arg Cys Leu Thr Ser Pro Gln Val Tyr Asp
 245 250 255
 Asn Gln Glu Pro Leu Arg Glu Glu Asp Ser Asp Phe Ile Leu Thr Glu
 260 265 270
 Gly Asp Leu Thr Leu Thr Tyr Gly Asp Ser Thr Val Thr Ala Asn Gly
 275 280 285
 Ser Ser Ser Ser His Thr Ala Ser Thr Ser Leu Glu Gly Ser Arg Arg
 290 295 300
 Thr Lys Ser Ser Ser Glu Glu Val Leu Glu Arg Asp Leu Gly Met Gly
 305 310 315 320
 Asp Gln Lys Val Ser Ser Arg Gly Thr Arg Leu Val Phe Pro Leu Glu
 325 330 335
 Asp Asn Ala

<210> 2187

<211> 509

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (198)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (199)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (244)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (246)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (294)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (301)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (303)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (493)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (498)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (499)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (505)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2187
Met Glu Glu Leu Ala Thr Glu Lys Glu Ala Glu Glu Ser His Arg Gln
1 5 10 15

Asp Ser Val Xaa Leu Leu Thr Phe Ile Leu Leu Leu Thr Leu Thr Ile
20 25 30

Leu Thr Ile Trp Leu Phe Lys His Arg Arg Val Arg Phe Leu His Glu
35 40 45

Thr Gly Leu Ala Met Ile Tyr Gly Leu Ile Val Gly Val Ile Leu Arg
50 55 60

Tyr Gly Thr Pro Ala Thr Ser Gly Arg Asp Lys Ser Leu Ser Cys Thr
65 70 75 80

Gln Glu Asp Arg Ala Phe Ser Thr Leu Leu Val Asn Val Ser Gly Lys
85 90 95

Phe Phe Glu Tyr Thr Leu Lys Gly Glu Ile Ser Pro Gly Lys Ile Asn
100 105 110

Ser Val Glu Gln Asn Asp Met Leu Arg Lys Val Thr Phe Asp Pro Glu
 115 120 125
 Val Phe Phe Asn Ile Leu Leu Pro Pro Ile Ile Phe His Ala Gly Tyr
 130 135 140
 Ser Leu Lys Lys Arg His Phe Phe Arg Asn Leu Gly Ser Ile Leu Ala
 145 150 155 160
 Tyr Ala Phe Leu Gly Thr Ala Xaa Ser Cys Phe Ile Ile Gly Asn Leu
 165 170 175
 Met Tyr Gly Val Val Lys Leu Met Lys Ile Met Gly Gln Leu Ser Asp
 180 185 190
 Lys Phe Tyr Tyr Thr Xaa Xaa Leu Phe Phe Gly Ala Ile Ile Ser Ala
 195 200 205
 Thr Asp Pro Val Thr Val Leu Ala Ile Phe Asn Glu Leu His Ala Asp
 210 215 220
 Val Asp Leu Tyr Ala Leu Leu Phe Gly Glu Ser Val Leu Asn Asp Ala
 225 230 235 240
 Val Ala Ile Xaa Leu Xaa Ser Ser Ile Val Ala Tyr Gln Pro Ala Gly
 245 250 255
 Leu Asn Thr His Ala Phe Asp Ala Ala Phe Phe Lys Ser Val Gly
 260 265 270
 Ile Phe Leu Gly Ile Phe Ser Gly Ser Phe Thr Met Gly Ala Val Thr
 275 280 285
 Gly Val Val Thr Ala Xaa Val Thr Lys Phe Thr Lys Xaa His Xaa Phe
 290 295 300
 Pro Leu Leu Glu Thr Ala Leu Phe Phe Leu Met Ser Trp Ser Thr Phe
 305 310 315 320
 Leu Leu Ala Glu Ala Cys Gly Phe Thr Gly Val Val Ala Val Leu Phe
 325 330 335
 Cys Gly Ile Thr Gln Ala His Tyr Thr Tyr Asn Asn Leu Ser Val Glu
 340 345 350
 Ser Arg Ser Arg Thr Lys Gln Leu Phe Glu Val Leu His Phe Leu Ala
 355 360 365
 Glu Asn Phe Ile Phe Ser Tyr Met Gly Leu Ala Leu Phe Thr Phe Gln
 370 375 380
 Lys His Val Phe Ser Pro Ile Phe Ile Ile Gly Ala Phe Val Ala Ile
 385 390 395 400
 Phe Leu Gly Arg Ala Ala His Ile Tyr Pro Leu Ser Phe Phe Leu Asn
 405 410 415
 Leu Gly Arg Arg His Lys Ile Gly Trp Asn Phe Gln His Met Met Met
 420 425 430

Phe Ser Gly Leu Arg Gly Ala Met Ala Phe Ala Leu Ala Ile Arg Asp
 435 440 445

Thr Ala Ser Tyr Ala Arg Gln Met Met Phe Thr Thr Thr Leu Leu Ile
 450 455 460

Val Phe Phe Thr Val Trp Ile Ile Gly Gly Thr Thr Pro Met Leu
 465 470 475 480

Ser Trp Leu Asn Ile Arg Val Gly Val Asp Pro Asp Xaa Asp Pro Pro
 485 490 495

Pro Xaa Xaa Asp Ser Phe Ala Phe Xaa Thr Glu Thr Ala
 500 505

<210> 2188

<211> 146

<212> PRT

<213> Homo sapiens

<400> 2188

Met	Thr	Met	Arg	Ser	Leu	Leu	Arg	Thr	Pro	Phe	Leu	Cys	Gly	Leu	Leu
1					5						10				15

Trp	Ala	Phe	Cys	Ala	Pro	Gly	Ala	Arg	Ala	Glu	Glu	Pro	Ala	Ala	Ser
					20				25				30		

Phe	Ser	Gln	Pro	Gly	Ser	Met	Gly	Leu	Asp	Lys	Asn	Thr	Val	His	Asp
						35		40					45		

Gln	Glu	His	Ile	Met	Glu	His	Leu	Glu	Gly	Val	Ile	Asn	Lys	Pro	Glu
					50		55				60				

Ala	Glu	Met	Ser	Pro	Gln	Glu	Leu	Gln	Leu	His	Tyr	Phe	Lys	Met	His
					65		70			75			80		

Asp	Tyr	Asp	Gly	Asn	Asn	Leu	Leu	Asp	Gly	Leu	Glu	Leu	Ser	Thr	Ala
						85			90				95		

Ile	Thr	His	Val	His	Lys	Glu	Glu	Gly	Ser	Glu	Gln	Ala	Pro	Leu	Met
					100		105					110			

Ser	Glu	Asp	Glu	Leu	Ile	Asn	Ile	Ile	Asp	Gly	Val	Leu	Arg	Asp	Asp
						115		120				125			

Asp	Lys	Asn	Asn	Asp	Gly	Tyr	Ile	Asp	Tyr	Ala	Glu	Phe	Ala	Lys	Ser
						130		135			140				

Leu Gln
 145

<210> 2189
<211> 530
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (488)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (490)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (494)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (495)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (505)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2189
Met Glu Phe Gly Leu Thr Trp Val Phe Leu Val Ala Leu Leu Arg Gly
1 5 10 15

Val His Cys Gln Val Gln Leu Val Glu Ser Gly Gly Ala Val Val Gln
20 25 30

Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
35 40 45

Ser Arg Tyr Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
50 55 60

Gln Trp Leu Ala Leu Val Leu His Asp Gly Gly Gln Lys Tyr Asn Glu
65 70 75 80

Asp Val Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Asn Asn
85 90 95

Lys Val Tyr Leu Gln Met Asp Ser Leu Arg Gly Glu Asp Thr Ala Thr
100 105 110

Tyr Tyr Cys Val Arg Gly Met Trp Glu Gln Leu Pro Ser Tyr Tyr Phe
115 120 125

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Pro
130 135 140

Thr Ser Pro Lys Val Phe Pro Leu Ser Leu Cys Ser Thr Gln Pro Asp
145 150 155 160

Gly Asn Val Val Ile Ala Cys Leu Val Gln Gly Phe Phe Pro Gln Glu
165 170 175

Pro Leu Ser Val Thr Trp Ser Glu Ser Gly Gln Gly Val Thr Ala Arg
180 185 190

Asn Phe Pro Pro Ser Gln Asp Ala Ser Gly Asp Leu Tyr Thr Thr Ser
195 200 205

Ser Gln Leu Thr Leu Pro Ala Thr Gln Cys Leu Ala Gly Lys Ser Val
210 215 220

Thr Cys His Val Lys His Tyr Thr Asn Pro Ser Gln Asp Val Thr Val
225 230 235 240

Pro Cys Pro Val Pro Ser Thr Pro Pro Thr Pro Ser Pro Ser Thr Pro
245 250 255

Pro Thr Pro Ser Pro Ser Cys Cys His Pro Arg Leu Ser Leu His Arg
260 265 270

Pro Ala Leu Glu Asp Leu Leu Leu Gly Ser Glu Ala Asn Leu Thr Cys
275 280 285

Thr Leu Thr Gly Leu Arg Asp Ala Ser Gly Val Thr Phe Thr Trp Thr
290 295 300

Pro Ser Ser Gly Lys Ser Ala Val Gln Gly Pro Pro Asp Arg Asp Leu
305 310 315 320

Cys Gly Cys Tyr Ser Val Ser Ser Val Leu Pro Gly Cys Ala Glu Pro
325 330 335

Trp Asn His Gly Lys Thr Phe Thr Cys Thr Ala Ala Tyr Pro Glu Ser
340 345 350

Lys Thr Pro Leu Thr Ala Thr Leu Ser Lys Ser Gly Asn Thr Phe Arg
355 360 365

Pro Glu Val His Leu Leu Pro Pro Ser Glu Glu Leu Ala Leu Asn
370 375 380

Glu Leu Val Thr Leu Thr Cys Leu Ala Arg Gly Phe Ser Pro Lys Asp
385 390 395 400

Val Leu Val Arg Trp Leu Gln Gly Ser Gln Glu Leu Pro Arg Glu Lys
405 410 415

Tyr Leu Thr Trp Ala Ser Arg Gln Glu Pro Ser Gln Gly Thr Thr Thr
420 425 430

Phe Ala Val Thr Ser Ile Leu Arg Val Ala Ala Glu Asp Trp Lys Lys
435 440 445

Gly Asp Thr Phe Ser Cys Met Val Gly His Glu Ala Leu Pro Leu Ala
450 455 460

Phe Thr Gln Lys Thr Ile Asp Arg Leu Ala Gly Lys Pro Thr His Val
465 470 475 480

Asn Val Ser Val Val Met Ala Xaa Val Xaa Gly Pro Cys Xaa Xaa Ala
485 490 495

Ala Arg Leu Ser Pro Pro Leu Asn Xaa Leu His Ala Pro Pro Lys Lys
 500 505 510

Lys
 515 520 525

Lys Lys
 530

<210> 2190

<211> 265

<212> PRT

<213> Homo sapiens

<400> 2190

Met Gly Gly Gln Val Ala Gly Val Tyr Ala Ala Tyr Tyr Pro Ser Asp
 1 5 10 15

Val Ser Ser Leu Cys Leu Val Cys Pro Ala Gly Leu Gln Tyr Ser Thr
 20 25 30

Asp Asn Gln Phe Val Gln Arg Leu Lys Glu Leu Gln Gly Ser Ala Ala
 35 40 45

Val Glu Lys Ile Pro Leu Ile Pro Ser Thr Pro Glu Glu Met Ser Glu
 50 55 60

Met Leu Gln Leu Cys Ser Tyr Val Arg Phe Lys Val Pro Gln Gln Ile
 65 70 75 80

Leu Gln Gly Leu Val Asp Val Arg Ile Pro His Asn Asn Phe Tyr Arg
 85 90 95

Lys Leu Phe Leu Glu Ile Val Ser Glu Lys Ser Arg Tyr Ser Leu His
 100 105 110

Gln Asn Met Asp Lys Ile Lys Val Pro Thr Gln Ile Trp Gly Lys
 115 120 125

Gln Asp Ala Gly Ala Gly Cys Val Trp Gly Arg His Val Gly Gln Val
 130 135 140

Asn Cys Gln Leu Pro Gly Gly Ala Ser Gly Lys Leu Trp Ala Leu Ser
 145 150 155 160

Ser Asp Gly Lys Thr Gln Glu Asp Ser Gln Ala His Asn Arg Leu Phe
 165 170 175

Ser Phe Cys Ala Gln His Arg Gln Gln Glu Ala Gly Leu Arg Pro
 180 185 190

Arg Leu Gln Pro Ala Phe Cys Thr Gln His Leu Leu Pro Ser Pro Lys
 195 200 205

Ser Asp Ala Ala Thr Thr Leu Arg Asp Pro Ala Pro Asn Ala Val Gly
 210 215 220

Ala Pro Val Thr Leu Arg Lys Pro Val Pro Tyr Pro Trp Tyr Pro Arg

225	230	235	240
Phe Pro Arg Ala Leu Gly Thr Thr Arg Lys Pro Pro Arg Tyr Phe Ser			
245		250	255
Gln Asn Arg Asn Ser Tyr Gly Thr Lys			
260		265	

<210> 2191
<211> 99
<212> PRT
<213> Homo sapiens

<400> 2191			
Met Ala Val Trp Gly Asp Thr Glu Leu Ala Ala Gly Val Phe Cys Phe			
1	5	10	15

Phe Leu Phe Phe Cys Phe Leu Tyr Leu Ser Gly Thr Trp Asn Ala Ser			
20		25	30

Lys Thr Glu Leu Phe Thr Pro Leu Glu Arg Glu Leu Lys Pro Gly His			
35		40	45

Pro Ser Gly Met Leu Ser Gly Ser His Pro His Gly Ala Gln Gln Ala			
50		55	60

Lys Ser Thr Gly Leu Lys Leu Ser Leu Pro Ala Gln Gln Ser Glu Val			
65		70	75
			80

Asp Leu Gly Cys Ser Ser Leu Val Trp Gly Gly Ala Ser Ala Ile Thr			
85		90	95

Glu Ala Leu

<210> 2192
<211> 144
<212> PRT
<213> Homo sapiens

<400> 2192			
Met Pro Thr Thr Thr Glu Gln Pro Val Thr Thr Phe Pro Val Thr			
1	5	10	15

Thr Gly Leu Lys Pro Thr Val Ala Leu Cys Gln Gln Lys Cys Arg Arg			
20		25	30

Thr Gly Thr Leu Glu Gly Asn Tyr Cys Ser Ser Asp Phe Val Leu Ala			
35		40	45

Gly Thr Val Ile Thr Thr Ile Thr Arg Asp Gly Ser Leu His Ala Thr			
50		55	60

Val Ser Ile Ile Asn Ile Tyr Lys Glu Gly Asn Leu Ala Ile Gln Gln			
65		70	75
			80

Ala	Gly	Lys	Asn	Met	Ser	Ala	Arg	Leu	Thr	Val	Val	Cys	Lys	Gln	Cys
				85					90				95		

Pro	Leu	Leu	Arg	Arg	Gly	Leu	Asn	Tyr	Ile	Ile	Met	Gly	Gln	Val	Gly
				100				105			110				

Glu	Asp	Gly	Arg	Gly	Lys	Ile	Met	Pro	Asn	Ser	Phe	Ile	Met	Met	Phe
				115			120				125				

Lys	Thr	Lys	Asn	Gln	Lys	Leu	Leu	Asp	Ala	Leu	Lys	Asn	Lys	Gln	Cys
				130			135			140					

<210> 2193

<211> 294

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2193

Met	Met	Val	Gln	Met	Ile	Ser	Asp	Ala	Asn	Thr	Ala	Gly	Asn	Gly	Phe
1				5					10			15			

Met	Ala	Met	Phe	Ser	Ala	Ala	Glu	Pro	Asn	Glu	Arg	Gly	Asp	Gln	Tyr
				20				25			30				

Cys	Gly	Gly	Leu	Leu	Asp	Arg	Pro	Ser	Gly	Ser	Phe	Lys	Thr	Pro	Asn
				35			40			45					

Trp	Pro	Asp	Arg	Asp	Tyr	Pro	Ala	Gly	Val	Thr	Cys	Val	Trp	His	Ile
				50			55			60					

Val	Ala	Pro	Lys	Asn	Gln	Leu	Ile	Glu	Leu	Lys	Phe	Glu	Lys	Phe	Asp
				65			70		75		80				

Val	Glu	Arg	Asp	Asn	Tyr	Cys	Arg	Tyr	Asp	Tyr	Val	Xaa	Val	Phe	Asn
				85				90			95				

Xaa	Gly	Glu	Val	Asn	Asp	Ala	Arg	Arg	Ile	Gly	Lys	Tyr	Cys	Gly	Asp
				100				105			110				

Ser	Pro	Pro	Ala	Pro	Ile	Val	Ser	Glu	Arg	Asn	Glu	Leu	Leu	Ile	Gln
				115			120			125					

Phe	Leu	Ser	Asp	Leu	Ser	Leu	Thr	Ala	Asp	Gly	Phe	Ile	Gly	His	Tyr
				130			135			140					

Ile Phe Arg Pro Lys Lys Leu Pro Thr Thr Glu Gln Pro Val Thr
 145 150 155 160

Thr Thr Phe Pro Val Thr Thr Gly Leu Lys Pro Thr Val Ala Leu Cys
 165 170 175

Gln Gln Lys Cys Arg Arg Thr Gly Thr Leu Glu Gly Asn Tyr Cys Ser
 180 185 190

Ser Asp Phe Val Leu Ala Gly Thr Val Ile Thr Thr Ile Thr Arg Asp
 195 200 205

Gly Ser Leu His Ala Thr Val Ser Ile Ile Asn Ile Tyr Lys Glu Gly
 210 215 220

Asn Leu Ala Ile Gln Gln Ala Gly Lys Asn Met Ser Ala Arg Leu Thr
 225 230 235 240

Val Val Cys Lys Gln Cys Pro Leu Leu Arg Arg Gly Leu Asn Tyr Ile
 245 250 255

Ile Met Gly Gln Val Gly Glu Asp Gly Arg Gly Lys Ile Met Pro Asn
 260 265 270

Ser Phe Ile Met Met Phe Lys Thr Lys Asn Gln Lys Leu Leu Asp Ala
 275 280 285

Leu Lys Asn Lys Gln Cys
 290

<210> 2194
 <211> 487
 <212> PRT
 <213> Homo sapiens

<400> 2194
 Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp
 1 5 10 15

Val Leu Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys
 20 25 30

Pro Ser Glu Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile
 35 40 45

Ser Ser Gly Gly His Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys
 50 55 60

Gly Leu Glu Trp Ile Gly Tyr Ile Ser Tyr Asn Gly Val Thr Tyr Tyr
 65 70 75 80

Asn Pro Ser Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Gln
 85 90 95

Asn Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala
 100 105 110

Val Tyr Tyr Cys Ala Lys Asp His Arg Ala Thr Arg Asp Gly Tyr Gln

115	120	125
Leu Glu Tyr Arg Gly Phe Asp Tyr Trp Gly Gln Gly Ile Leu Val Thr		
130	135	140
Val Ser Ser Ala Ser Pro Thr Ser Pro Lys Val Phe Pro Leu Ser Leu		
145	150	155
Asp Ser Thr Pro Gln Asp Gly Asn Val Val Ala Cys Leu Val Gln		
165	170	175
Gly Phe Phe Pro Gln Glu Pro Leu Ser Val Thr Trp Ser Glu Ser Gly		
180	185	190
Gln Asn Val Thr Ala Arg Asn Phe Pro Pro Ser Gln Asp Ala Ser Gly		
195	200	205
Asp Leu Tyr Thr Thr Ser Ser Gln Leu Thr Leu Pro Ala Thr Gln Cys		
210	215	220
Pro Asp Gly Lys Ser Val Thr Cys His Val Lys His Tyr Thr Asn Pro		
225	230	235
Ser Gln Asp Val Thr Val Pro Cys Pro Val Pro Pro Pro Pro Cys		
245	250	255
Cys His Pro Arg Leu Ser Leu His Arg Pro Ala Leu Glu Asp Leu Leu		
260	265	270
Leu Gly Ser Glu Ala Asn Leu Thr Cys Thr Leu Thr Gly Leu Arg Asp		
275	280	285
Ala Ser Gly Ala Thr Phe Thr Trp Thr Pro Ser Ser Gly Lys Ser Ala		
290	295	300
Val Gln Gly Pro Pro Glu Arg Asp Leu Cys Gly Cys Tyr Ser Val Ser		
305	310	315
Ser Val Leu Pro Gly Cys Ala Gln Pro Trp Asn His Gly Glu Thr Phe		
325	330	335
Thr Cys Thr Ala Ala His Pro Glu Leu Lys Thr Pro Leu Thr Ala Asn		
340	345	350
Ile Thr Lys Ser Gly Asn Thr Phe Arg Pro Glu Val His Leu Leu Pro		
355	360	365
Pro Pro Ser Glu Glu Leu Ala Leu Asn Glu Leu Val Thr Leu Thr Cys		
370	375	380
Leu Ala Arg Gly Phe Ser Pro Lys Asp Val Leu Val Arg Trp Leu Gln		
385	390	395
Gly Ser Gln Glu Leu Pro Arg Glu Lys Tyr Leu Thr Trp Ala Ser Arg		
405	410	415
Gln Glu Pro Ser Gln Gly Thr Thr Phe Ala Val Thr Ser Ile Leu		
420	425	430
Arg Val Ala Ala Glu Asp Trp Lys Lys Gly Asp Thr Phe Ser Cys Met		
	1455	

435

440

445

Val Gly His Glu Ala Leu Pro Leu Ala Phe Thr Gln Lys Thr Ile Asp
 450 455 460

Arg Leu Ala Gly Lys Pro Thr His Val Asn Val Ser Val Val Met Ala
 465 470 475 480

Glu Val Asp Gly Thr Cys Tyr
 485

<210> 2195

<211> 189

<212> PRT

<213> Homo sapiens

<400> 2195

Met Gly Gly Gln Val Ala Gly Val Tyr Ala Ala Tyr Tyr Pro Ser Asp
 1 5 10 15

Val Ser Ser Leu Cys Leu Val Cys Pro Ala Gly Leu Gln Tyr Ser Thr
 20 25 30

Asp Asn Gln Phe Val Gln Arg Leu Lys Glu Leu Gln Gly Ser Ala Ala
 35 40 45

Val Glu Lys Ile Pro Leu Ile Pro Ser Thr Pro Glu Glu Met Ser Glu
 50 55 60

Met Leu Gln Leu Cys Ser Tyr Val Arg Phe Lys Val Pro Gln Gln Ile
 65 70 75 80

Leu Gln Gly Leu Val Asp Val Arg Ile Pro His Asn Asn Phe Tyr Arg
 85 90 95

Lys Leu Phe Leu Glu Ile Val Ser Glu Lys Ser Arg Tyr Ser Leu His
 100 105 110

Gln Asn Met Asp Lys Ile Lys Val Pro Thr Gln Ile Ile Trp Gly Lys
 115 120 125

Gln Asp Gln Val Leu Asp Val Ser Gly Ala Asp Met Leu Ala Lys Ser
 130 135 140

Ile Ala Asn Cys Gln Val Glu Leu Leu Glu Asn Cys Gly His Ser Val
 145 150 155 160

Val Met Glu Arg Pro Arg Lys Thr Ala Lys Leu Ile Ile Asp Phe Leu
 165 170 175

Ala Ser Val His Asn Thr Asp Asn Asn Lys Lys Leu Asp
 180 185

<210> 2196

<211> 298

<212> PRT

<213> Homo sapiens

<400> 2196

Met	Lys	Thr	Leu	Gln	Ser	Thr	Leu	Leu	Leu	Leu	Leu	Val	Pro	Leu
1				5			10					15		

Ile	Lys	Pro	Ala	Pro	Pro	Thr	Gln	Gln	Asp	Ser	Arg	Ile	Ile	Tyr	Asp
						20		25			30				

Tyr	Gly	Thr	Asp	Asn	Phe	Glu	Glu	Ser	Ile	Phe	Ser	Gln	Asp	Tyr	Glu
						35		40			45				

Asp	Lys	Tyr	Leu	Asp	Gly	Lys	Asn	Ile	Lys	Glu	Lys	Glu	Thr	Val	Ile
						50		55		60					

Ile	Pro	Asn	Glu	Lys	Ser	Leu	Gln	Leu	Gln	Lys	Asp	Glu	Ala	Ile	Thr
						65		70		75		80			

Pro	Leu	Pro	Pro	Lys	Lys	Glu	Asn	Asp	Glu	Met	Pro	Thr	Cys	Leu	Leu
						85		90		95					

Cys	Val	Cys	Leu	Ser	Gly	Ser	Val	Tyr	Cys	Glu	Glu	Val	Asp	Ile	Asp
						100		105		110					

Ala	Val	Pro	Pro	Leu	Pro	Lys	Glu	Ser	Ala	Tyr	Leu	Tyr	Ala	Arg	Phe
						115		120		125					

Asn	Lys	Ile	Lys	Lys	Leu	Thr	Ala	Lys	Asp	Phe	Ala	Asp	Ile	Pro	Asn
						130		135		140					

Leu	Arg	Arg	Leu	Asp	Phe	Thr	Gly	Asn	Leu	Ile	Glu	Asp	Ile	Glu	Asp
						145		150		155		160			

Gly	Thr	Phe	Ser	Lys	Leu	Ser	Leu	Leu	Glu	Glu	Leu	Ser	Leu	Ala	Glu
						165		170		175					

Asn	Gln	Leu	Leu	Lys	Leu	Pro	Val	Leu	Pro	Pro	Lys	Leu	Thr	Leu	Phe
						180		185		185		190			

Asn	Ala	Lys	Tyr	Asn	Lys	Ile	Lys	Ser	Arg	Gly	Ile	Lys	Ala	Asn	Ala
						195		200		205					

Phe	Lys	Lys	Leu	Asn	Asn	Leu	Thr	Phe	Leu	Tyr	Leu	Asp	His	Asn	Ala
						210		215		220					

Leu	Glu	Ser	Val	Pro	Leu	Asn	Leu	Pro	Glu	Ser	Leu	Arg	Val	Ile	His
						225		230		235		240			

Leu	Gln	Phe	Asn	Asn	Ile	Ala	Ser	Ile	Thr	Asp	Asp	Thr	Phe	Cys	Lys
						245		250		250		255			

Ala	Asn	Asp	Thr	Ser	Tyr	Ile	Arg	Asp	Arg	Ile	Glu	Glu	Ile	Arg	Leu
						260		265		265		270			

Glu	Gly	Asn	Pro	Ile	Val	Leu	Gly	Lys	His	Pro	Asn	Ser	Phe	Ile	Cys
						275		280		285					

Leu	Lys	Arg	Leu	Pro	Ile	Gly	Ser	Tyr	Phe
						290		295	

<210> 2197
<211> 298
<212> PRT
<213> Homo sapiens

<400> 2197
Met Lys Thr Leu Gln Ser Thr Leu Leu Leu Leu Leu Val Pro Leu
1 5 10 15
Ile Lys Pro Ala Pro Pro Thr Gln Gln Asp Ser Arg Ile Ile Tyr Asp
20 25 30
Tyr Gly Thr Asp Asn Phe Glu Glu Ser Ile Phe Ser Gln Asp Tyr Glu
35 40 45
Asp Lys Tyr Leu Asp Gly Lys Asn Ile Lys Glu Lys Glu Thr Val Ile
50 55 60
Ile Pro Asn Glu Lys Ser Leu Gln Leu Gln Lys Asp Glu Ala Ile Thr
65 70 75 80
Pro Leu Pro Pro Lys Lys Glu Asn Asp Glu Met Pro Thr Cys Leu Leu
85 90 95
Cys Val Cys Leu Ser Gly Ser Val Tyr Cys Glu Glu Val Asp Ile Asp
100 105 110
Ala Val Pro Pro Leu Pro Lys Glu Ser Ala Tyr Leu Tyr Ala Arg Phe
115 120 125
Asn Lys Ile Lys Lys Leu Thr Ala Lys Asp Phe Ala Asp Ile Pro Asn
130 135 140
Leu Arg Arg Leu Asp Phe Thr Gly Asn Leu Ile Glu Asp Ile Glu Asp
145 150 155 160
Gly Thr Phe Ser Lys Leu Ser Leu Leu Glu Glu Leu Ser Leu Ala Glu
165 170 175
Asn Gln Leu Leu Lys Leu Pro Val Leu Pro Pro Lys Leu Thr Leu Phe
180 185 190
Asn Ala Lys Tyr Asn Lys Ile Lys Ser Arg Gly Ile Lys Ala Asn Ala
195 200 205
Phe Lys Lys Leu Asn Asn Leu Thr Phe Leu Tyr Leu Asp His Asn Ala
210 215 220
Leu Glu Ser Val Pro Leu Asn Leu Pro Glu Ser Leu Arg Val Ile His
225 230 235 240
Leu Gln Phe Asn Asn Ile Ala Ser Ile Thr Asp Asp Thr Phe Cys Lys
245 250 255
Ala Asn Asp Thr Ser Tyr Ile Arg Asp Arg Ile Glu Glu Ile Arg Leu
260 265 270
Glu Gly Asn Pro Ile Val Leu Gly Lys His Pro Asn Ser Phe Ile Cys

275

280

285

Leu Lys Arg Leu Pro Ile Gly Ser Tyr Phe
 290 295

<210> 2198

<211> 42

<212> PRT

<213> Homo sapiens

<400> 2198

Met Glu Cys Lys Lys Arg Ile Gln Leu Ile Met Leu Ala Ser Ile Val
 1 5 10 15

Arg Leu Pro Pro Thr Glu Gln Ser Gly Leu Leu Lys Thr Arg Phe His
 20 25 30

Asn Phe Cys Gln Arg Asn Leu Gln Ser Ser
 35 40

<210> 2199

<211> 472

<212> PRT

<213> Homo sapiens

<400> 2199

Met Ile Arg Thr Arg Arg Gly Trp Ser Ser Met Trp Pro Trp Ile Gly
 1 5 10 15

Val Gly Tyr Leu Ala Gly Cys Leu Val His Ala Leu Gly Glu Lys Gln
 20 25 30

Pro Glu Leu Gln Ile Ser Glu Arg Asp Val Leu Cys Val Gln Ile Ala
 35 40 45

Gly Leu Cys His Asp Leu Gly His Gly Pro Phe Ser His Met Phe Asp
 50 55 60

Gly Arg Phe Ile Pro Leu Ala Arg Pro Glu Val Lys Trp Thr His Glu
 65 70 75 80

Gln Gly Ser Val Met Met Phe Glu His Leu Ile Asn Ser Asn Gly Ile
 85 90 95

Lys Pro Val Met Glu Gln Tyr Gly Leu Ile Pro Glu Glu Asp Ile Cys
 100 105 110

Phe Ile Lys Glu Gln Ile Val Gly Pro Leu Glu Ser Pro Val Glu Asp
 115 120 125

Ser Leu Trp Pro Tyr Lys Gly Arg Pro Glu Asn Lys Ser Phe Leu Tyr
 130 135 140

Glu Ile Val Ser Asn Lys Arg Asn Gly Ile Asp Val Asp Lys Trp Asp
 145 150 155 160

Tyr Phe Ala Arg Asp Cys His His Leu Gly Ile Gln Asn Asn Phe Asp
 165 170 175
 Tyr Lys Arg Phe Ile Lys Phe Ala Arg Val Cys Glu Val Asp Asn Glu
 180 185 190
 Leu Arg Ile Cys Ala Arg Asp Lys Glu Val Gly Asn Leu Tyr Asp Met
 195 200 205
 Phe His Thr Arg Asn Ser Leu His Arg Arg Ala Tyr Gln His Lys Val
 210 215 220
 Gly Asn Ile Ile Asp Thr Met Ile Thr Asp Ala Phe Leu Glu Ala Asp
 225 230 235 240
 Asp Tyr Ile Glu Ile Thr Gly Ala Gly Lys Lys Tyr Arg Ile Ser
 245 250 255
 Thr Ala Ile Asp Asp Met Glu Ala Tyr Thr Lys Leu Thr Asp Asn Ile
 260 265 270
 Phe Leu Glu Ile Leu Tyr Ser Thr Asp Pro Lys Leu Lys Asp Ala Arg
 275 280 285
 Glu Ile Leu Lys Gln Ile Glu Tyr Arg Asn Leu Phe Lys Tyr Val Gly
 290 295 300
 Glu Thr Gln Pro Thr Gly Gln Ile Lys Ile Lys Arg Glu Asp Tyr Glu
 305 310 315 320
 Ser Leu Pro Lys Glu Val Ala Ser Ala Lys Pro Lys Val Leu Leu Asp
 325 330 335
 Val Lys Leu Lys Ala Glu Asp Phe Ile Val Asp Val Ile Asn Met Asp
 340 345 350
 Tyr Gly Met Gln Glu Lys Asn Pro Ile Asp His Val Ser Phe Tyr Cys
 355 360 365
 Lys Thr Ala Pro Asn Arg Ala Ile Arg Ile Thr Lys Asn Gln Val Ser
 370 375 380
 Gln Leu Leu Pro Glu Lys Phe Ala Glu Gln Leu Ile Arg Val Tyr Cys
 385 390 395 400
 Lys Lys Val Asp Arg Lys Ser Leu Tyr Ala Ala Arg Gln Tyr Phe Val
 405 410 415
 Gln Trp Cys Ala Asp Arg Asn Phe Thr Lys Pro Gln Asp Gly Asp Val
 420 425 430
 Ile Ala Pro Leu Ile Thr Pro Gln Lys Lys Glu Trp Asn Asp Ser Thr
 435 440 445
 Ser Val Gln Asn Pro Thr Arg Leu Arg Glu Ala Ser Lys Ser Arg Val
 450 455 460
 Gln Leu Phe Lys Asp Asp Pro Met
 465 470

<210> 2200

<211> 626

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (353)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (354)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (363)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2200

Met Gln Arg Ala Asp Ser Glu Gln Pro Ser Lys Arg Pro Arg Cys Asp
1 5 10 15

Asp Ser Pro Arg Thr Pro Ser Asn Thr Pro Ser Ala Glu Ala Asp Trp
20 25 30

Ser Pro Gly Leu Glu Leu His Pro Asp Tyr Lys Thr Trp Gly Pro Glu
35 40 45

Gln Val Cys Ser Phe Leu Arg Arg Gly Gly Phe Glu Glu Pro Val Leu
50 55 60

Leu Lys Asn Ile Arg Glu Asn Glu Ile Thr Gly Ala Leu Leu Pro Cys
65 70 75 80

Leu Asp Glu Ser Arg Phe Glu Asn Leu Gly Val Ser Ser Leu Gly Glu
85 90 95

Arg Lys Lys Leu Leu Ser Tyr Ile Gln Arg Leu Val Gln Ile His Val
100 105 110

Asp Thr Met Lys Val Ile Asn Asp Pro Ile His Gly His Ile Glu Leu
115 120 125

His Pro Leu Leu Val Arg Ile Ile Asp Thr Pro Gln Phe Gln Arg Leu
130 135 140

Arg Tyr Ile Lys Gln Leu Gly Gly Tyr Tyr Val Phe Pro Gly Ala
145 150 155 160

Ser His Asn Arg Phe Glu His Ser Leu Gly Val Gly Tyr Leu Ala Gly
165 170 175

Cys Leu Val His Ala Leu Gly Glu Lys Gln Pro Glu Leu Gln Ile Ser
180 185 190

Glu Arg Asp Val Leu Cys Val Gln Ile Ala Gly Leu Cys His Asp Leu

195	200	205
Gly His Gly Pro Phe Ser His Met Phe Asp Gly Arg Phe Ile Pro Leu		
210	215	220
Ala Arg Pro Glu Val Lys Trp Thr His Glu Gln Gly Ser Val Met Met.		
225	230	235
240		
Phe Glu His Leu Ile Asn Ser Asn Gly Ile Lys Pro Val Met Glu Gln		
245	250	255
Tyr Gly Leu Ile Pro Glu Glu Asp Ile Cys Phe Ile Lys Glu Gln Ile		
260	265	270
Val Gly Pro Leu Glu Ser Pro Val Glu Asp Ser Leu Trp Pro Tyr Lys		
275	280	285
Gly Arg Pro Glu Asn Lys Ser Phe Leu Tyr Glu Ile Val Ser Asn Lys		
290	295	300
Arg Asn Gly Ile Asp Val Asp Lys Trp Asp Tyr Phe Ala Arg Asp Cys		
305	310	315
320		
His His Leu Gly Ile Gln Asn Asn Phe Asp Tyr Lys Arg Phe Ile Lys		
325	330	335
Phe Ala Arg Val Cys Glu Val Asp Asn Glu Leu Arg Ile Cys Ala Arg		
340	345	350
Xaa Xaa Glu Val Gly Asn Leu Tyr Asp Met Xaa His Thr Arg Asn Ser		
355	360	365
Leu His Arg Arg Ala Tyr Gln His Lys Val Gly Asn Ile Ile Asp Thr		
370	375	380
Met Ile Thr Asp Ala Phe Leu Lys Ala Asp Asp Tyr Ile Glu Ile Thr		
385	390	395
400		
Gly Ala Gly Gly Lys Lys Tyr Arg Ile Ser Thr Ala Ile Asp Asp Met		
405	410	415
Glu Ala Tyr Thr Lys Leu Thr Asp Asn Ile Phe Leu Glu Ile Leu Tyr		
420	425	430
Ser Thr Asp Pro Lys Leu Lys Asp Ala Arg Glu Ile Leu Lys Gln Ile		
435	440	445
Glu Tyr Arg Asn Leu Phe Lys Tyr Val Gly Glu Thr Gln Pro Thr Gly		
450	455	460
Gln Ile Lys Ile Lys Arg Glu Asp Tyr Glu Ser Leu Pro Lys Glu Val		
465	470	475
480		
Ala Ser Ala Lys Pro Lys Val Leu Leu Asp Val Lys Leu Lys Ala Glu		
485	490	495
Asp Phe Ile Val Asp Val Ile Asn Met Asp Tyr Gly Met Gln Glu Lys		
500	505	510
Asn Pro Ile Asp His Val Ser Phe Tyr Cys Lys Thr Ala Pro Asn Arg		

515

520

525

Ala Ile Arg Ile Thr Lys Asn Gln Val Ser Gln Leu Leu Pro Glu Lys
 530 535 540

Phe Ala Glu Gln Leu Ile Arg Val Tyr Cys Lys Lys Val Asp Arg Lys
 545 550 555 560

Ser Leu Tyr Ala Ala Arg Gln Tyr Phe Val Gln Trp Cys Ala Asp Arg
 565 570 575

Asn Phe Thr Lys Pro Gln Asp Gly Asp Val Ile Ala Pro Leu Ile Thr
 580 585 590

Pro Gln Lys Lys Glu Trp Asn Asp Ser Thr Ser Val Gln Asn Pro Thr
 595 600 605

Arg Leu Arg Glu Ala Ser Lys Ser Arg Val Gln Leu Phe Lys Asp Asp
 610 615 620

Pro Met
 625

<210> 2201

<211> 245

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2201

Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
 1 5 10 15

Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
 20 25 30

Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Leu Lys
 35 40 45

Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
 50 55 60

Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
 65 70 75 80

Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
 85 90 95

Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
 100 105 110

Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Xaa
 115 120 125

Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 130 135 140
 Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 145 150 155 160
 Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 165 170 175
 Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 180 185 190
 Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 195 200 205
 Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 210 215 220
 His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 225 230 235 240
 Ile Phe Pro Ser Ala
 245

<210> 2202

<211> 32

<212> PRT

<213> Homo sapiens

<400> 2202

Met Gly Val Asn Lys Val Leu Phe Thr Phe Phe Phe Ser Ser Leu
 1 5 10 15

Leu Asp Gly Val Gly Thr Ser His Ser Leu Ala Ser Phe Pro His Thr
 20 25 30

<210> 2203

<211> 245

<212> PRT

<213> Homo sapiens

<400> 2203

Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
 1 5 10 15

Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
 20 25 30

Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Leu Lys
 35 40 45

Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
 50 55 60

Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
 65 70 75 80
 Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
 85 90 95
 Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
 100 105 110
 Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly
 115 120 125
 Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 130 135 140
 Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 145 150 155 160
 Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 165 170 175
 Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 180 185 190
 Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 195 200 205
 Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 210 215 220
 His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 225 230 235 240
 Ile Phe Pro Ser Ala
 245

<210> 2204
 <211> 245
 <212> PRT
 <213> Homo sapiens

<400> 2204
 Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
 1 5 10 15
 Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
 20 25 30
 Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Leu Lys
 35 40 45
 Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
 50 55 60
 Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
 65 70 75 80

Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
 85 90 95

Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
 100 105 110

Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly
 115 120 125

Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 130 135 140

Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 145 150 155 160

Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 165 170 175

Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 180 185 190

Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 195 200 205

Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 210 215 220

His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 225 230 235 240

Ile Phe Pro Ser Ala
 245

<210> 2205

<211> 245

<212> PRT

<213> Homo sapiens

<400> 2205

Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
 1 5 10 15Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
 20 25 30Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Leu Lys
 35 40 45Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
 50 55 60Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
 65 70 75 80Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
 85 90 95

Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln

100

105

110

Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly
 115 120 125

Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 130 135 140

Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 145 150 155 160

Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 165 170 175

Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 180 185 190

Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 195 200 205

Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 210 215 220

His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 225 230 235 240

Ile Phe Pro Ser Ala
 245

<210> 2206

<211> 245

<212> PRT

<213> Homo sapiens

<400> 2206

Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
 1 5 10 15

Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
 20 25 30

Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Leu Lys
 35 40 45

Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
 50 55 60

Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
 65 70 75 80

Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
 85 90 95

Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
 100 105 110

Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly
 115 120 125

Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 130 135 140
 Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 145 150 155 160
 Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 165 170 175
 Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 180 185 190
 Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 195 200 205
 Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 210 215 220
 His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 225 230 235 240
 Ile Phe Pro Ser Ala
 245

<210> 2207

<211> 229

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2207

Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
 1 5 10 15

Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
 20 25 30

Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Xaa Lys
 35 40 45

Xaa Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
 50 55 60

Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
 65 70 75 80

Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
 85 90 95

Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly
 100 105 110
 Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 115 120 125
 Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 130 135 140
 Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 145 150 155 160
 Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 165 170 175
 Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 180 185 190
 Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 195 200 205
 His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 210 215 220
 Ile Phe Pro Ser Ala
 225

<210> 2208
 <211> 207
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2208
 Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
 20 25 30
 Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 35 40 45

Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
 50 55 60

Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Xaa Gly Xaa Ala Glu Ile
 65 70 75 80

Pro Val Ser Val His Gly His Ser Ala Asp Pro Pro Ala Pro Cys Thr
 85 90 95

Gln Gln Pro Asp Gln Ile Gln Arg Gly Pro His Gln Pro Ala Glu Xaa
 100 105 110

Tyr Asp Thr Ser Thr Gly Lys Phe Thr Cys Lys Val Pro Gly Leu Tyr
 115 120 125

Tyr Phe Val Tyr His Ala Ser His Thr Ala Asn Leu Cys Val Leu Leu
 130 135 140

Tyr Arg Ser Gly Val Lys Val Val Thr Phe Cys Gly His Thr Ser Lys
 145 150 155 160

Thr Asn Gln Val Asn Ser Gly Gly Val Leu Leu Arg Leu Gln Val Gly
 165 170 175

Glu Glu Val Trp Leu Ala Val Asn Asp Tyr Tyr Asp Met Val Gly Ile
 180 185 190

Gln Gly Ser Asp Ser Val Phe Ser Gly Phe Leu Leu Phe Pro Asp
 195 200 205

<210> 2209

<211> 235

<212> PRT

<213> Homo sapiens

<400> 2209

Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Trp
 1 5 10 15Leu Arg Gly Ala Arg Cys Asp Met Gln Met Thr Gln Ser Pro Ser Ser
 20 25 30Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Thr Ser
 35 40 45Gln Ser Ile Gly Lys Phe Leu Asn Trp Tyr Gln Gln Lys Pro Gly Gln
 50 55 60Ala Pro Lys Leu Leu Ile Ser Gly Ala Ser Ile Leu Gln Thr Gly Val
 65 70 75 80Pro Ser Arg Phe Ser Gly Ser Ala Thr Tyr Phe Thr Leu Thr
 85 90 95Ile Asn Asp Leu His Pro Glu Asp Ser Ala Thr Tyr Tyr Cys Gln Gln
 100 105 110

Asp Tyr Thr Thr Pro Leu Phe Gly Gln Gly Thr Lys Val Glu Ile Lys

115	120	125
Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu		
130	135	140
Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe		
145	150	155
Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln		
165	170	175
Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser		
180	185	190
Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu		
195	200	205
Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser		
210	215	220
Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys		
225	230	235

<210> 2210

<211> 234

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2210

Met	Arg	Val	Pro	Ala	Gln	Leu	Leu	Gly	Leu	Leu	Leu	Trp	Leu	Ser
1					5				10				15	

Gly	Ala	Arg	Cys	Asp	Ile	Gln	Leu	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser
					20			25				30			

Ala	Ser	Leu	Gly	Asp	Ser	Val	Thr	Ile	Thr	Cys	Gln	Ala	Ser	Gln	Asp
								35	40			45			

Ile	Ala	Asn	Tyr	Leu	Asn	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Pro	Pro
								50	55			60			

Lys	Leu	Val	Ile	Phe	Asp	Gly	Ser	Ile	Leu	His	Thr	Gly	Val	Pro	Ser
								65	70			75		80	

Arg	Phe	Ser	Gly	Gly	Ser	Gly	Thr	His	Phe	Thr	Phe	Thr	Ile	Asn
								85	90			95		

Asn	Leu	Gln	Pro	Asp	Asp	Val	Ala	Thr	Tyr	Ser	Cys	Gln	Gln	Tyr	Asn
								100	105			110			

Thr	Phe	Pro	Leu	Thr	Phe	Gly	Xaa	Gly	Thr	Lys	Val	Glu	Ile	Lys	Arg
								115	120			125			

Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln
 130 135 140
 Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr
 145 150 155 160
 Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser
 165 170 175
 Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
 180 185 190
 Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys
 195 200 205
 His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro
 210 215 220
 Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
 225 230

<210> 2211

<211> 206

<212> PRT

<213> Homo sapiens

<400> 2211

Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1 5 10 15

Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
 20 25 30

Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 35 40 45

Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
 50 55 60

Ile Pro Gly Ile Arg Gly Pro Lys Gly Arg Tyr Lys Gln Lys Phe Gln
 65 70 75 80

Ser Val Phe Thr Val Thr Arg Gln Thr His Gln Pro Pro Ala Pro Asn
 85 90 95

Ser Leu Ile Arg Phe Asn Ala Val Leu Thr Asn Pro Gln Gly Asp Tyr
 100 105 110

Asp Thr Ser Thr Gly Lys Phe Thr Cys Lys Val Pro Gly Leu Tyr Tyr
 115 120 125

Phe Val Tyr His Ala Ser His Thr Ala Asn Leu Cys Val Leu Leu Tyr
 130 135 140

Arg Ser Gly Val Lys Val Val Thr Phe Cys Gly His Thr Ser Lys Thr
 145 150 155 160

Asn Gln Val Asn Ser Gly Gly Val Leu Leu Arg Leu Gln Val Gly Glu

165

170

175

Glu Val Trp Leu Ala Val Asn Asp Tyr Tyr Asp Met Val Gly Ile Gln
 180 185 190

Gly Ser Asp Ser Val Phe Ser Gly Phe Leu Leu Phe Pro Asp
 195 200 205

<210> 2212

<211> 208

<212> PRT

<213> Homo sapiens

<400> 2212

Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1 5 10 15

Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
 20 25 30

Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 35 40 45

Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
 50 55 60

Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Leu
 65 70 75 80

Pro Gly His Pro Gly Lys Asn Gly Pro Met Gly Pro Pro Gly Met Pro
 85 90 95

Gly Val Pro Gly Pro Met Gly Ile Pro Gly Glu Pro Gly Glu Gly
 100 105 110

Arg Tyr Lys Gln Lys Phe Gln Ser Val Phe Thr Val Thr Arg Gln Thr
 115 120 125

His Gln Pro Pro Ala Pro Asn Ser Leu Ile Arg Phe Asn Ala Val Leu
 130 135 140

Thr Asn Pro Gln Glu Ile Met Thr Arg Ala Leu Ala Ser Ser Pro Ala
 145 150 155 160

Lys Ser Pro Ala Ser Thr Thr Leu Ser Thr Thr Arg Arg Ile Gln Pro
 165 170 175

Thr Cys Ala Cys Cys Cys Thr Ala Ala Ala Ser Lys Trp Ser Pro Ser
 180 185 190

Val Ala Thr Arg Pro Lys Pro Ile Arg Ser Thr Arg Ala Val Cys Cys
 195 200 205

<210> 2213
<211> 263
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2213
Met Cys Leu Leu Gly Gly Leu Ser Ala Pro Pro Leu Leu Leu Pro
1 5 10 15

Leu Leu Pro Leu Leu Cys Pro Pro Thr Xaa Gln Gly Asp Cys Ser
20 25 30

Phe Pro Pro Glu Leu Pro Asn Ala Ile Gln Ser Val Gly Asp Gln Gln
35 40 45

Ser Phe Pro Glu Lys Phe Thr Val Thr Tyr Lys Cys Lys Glu Gly Phe
50 55 60

Val Lys Val Pro Gly Lys Ala Asp Ser Val Val Cys Leu Asn Asn Lys
65 70 75 80

Trp Ser Glu Val Ala Glu Phe Cys Asn Arg Ser Cys Asp Val Pro Thr
85 90 95

Arg Leu Gln Phe Ala Ser Leu Lys Ser Phe Thr Lys Gln Asn Xaa
100 105 110

Phe Pro Val Gly Ser Val Val Glu Tyr Glu Cys Arg Pro Gly Tyr Gln
115 120 125

Arg Asp His Leu Leu Ser Gly Lys Leu Thr Cys Leu Leu Asn Phe Thr
130 135 140

Trp Ser Lys Pro Asp Glu Phe Cys Lys Arg Lys Ser Cys Pro Asn Pro
145 150 155 160

Gly Asp Leu Arg His Gly His Val Asn Ile Pro Thr Asp Ile Leu Tyr
165 170 175

Ala Ala Val Ile His Phe Ser Cys Asn Lys Gly Tyr Arg Leu Val Gly
180 185 190

Ala Ala Ser Ser Tyr Cys Ser Ile Val Asn Asp Asp Val Gly Trp Ser
195 200 205

Asp Pro Leu Pro Glu Cys Gln Glu Ile Phe Cys Pro Glu Pro Pro Lys
210 215 220

Ile Ser Asn Gly Val Ile Leu Asp Gln Gln Asn Thr Tyr Val Tyr Gln
225 230 235 240

Gln Ala Val Lys Tyr Glu Cys Ile Lys Gly Phe Thr Leu Ile Gly Glu
 245 250 255

Asn Ser Asp Leu Leu Tyr Cys
 260

<210> 2214
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 2214
 Met Cys Leu Leu Gly Gly Leu Ser Ala Pro Pro Leu Leu Leu Pro
 1 5 10 15

Leu Leu Pro Leu Leu Leu Cys Pro Pro Thr Gly Arg Val Thr Ala Ala
 20 25 30

Phe Pro Gln Ser Tyr Leu Met Pro Tyr Lys Val Trp Val Thr Asn Arg
 35 40 45

Val Phe Leu Lys Asn Ser Gln
 50 55

<210> 2215
 <211> 350
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2215
 Met Ala Xaa Xaa Val Val Leu Leu Ala Leu Val Ala Gly Val Leu Gly
 1 5 10 15

Asn Glu Phe Ser Ile Leu Lys Ser Pro Gly Ser Val Val Phe Arg Asn
 20 25 30

Gly Asn Trp Pro Ile Pro Gly Glu Arg Ile Pro Asp Val Ala Ala Leu
 35 40 45

Ser Met Gly Phe Ser Val Lys Glu Asp Leu Ser Trp Pro Gly Leu Ala
 50 55 60

Val Gly Asn Leu Phe His Arg Pro Arg Ala Thr Val Met Val Met Val
 65 70 75 80

Lys Gly Val Asn Lys Leu Ala Leu Pro Pro Gly Ser Val Ile Ser Tyr
 85 90 95

Pro Leu Glu Asn Ala Val Pro Phe Ser Leu Asp Ser Val Ala Asn Ser
 100 105 110

Ile His Ser Leu Phe Ser Glu Glu Thr Pro Val Val Leu Gln Leu Ala
 115 120 125

Pro Ser Glu Glu Arg Val Tyr Met Val Gly Lys Ala Asn Ser Val Phe
 130 135 140

Glu Asp Leu Ser Val Thr Leu Arg Gln Leu Arg Asn Arg Leu Phe Gln
 145 150 155 160

Glu Asn Ser Val Leu Ser Ser Leu Pro Leu Asn Ser Leu Ser Arg Asn
 165 170 175

Asn Glu Val Asp Leu Leu Phe Leu Ser Glu Leu Gln Val Leu His Asp
 180 185 190

Ile Ser Ser Leu Leu Ser Arg His Lys His Leu Ala Lys Asp His Ser
 195 200 205

Pro Asp Leu Tyr Ser Leu Glu Leu Ala Gly Leu Asp Glu Ile Gly Lys
 210 215 220

Arg Tyr Gly Glu Asp Ser Glu Gln Phe Arg Asp Ala Ser Lys Ile Leu
 225 230 235 240

Val Asp Ala Leu Gln Lys Phe Ala Asp Asp Met Tyr Ser Leu Tyr Gly
 245 250 255

Gly Asn Ala Val Val Glu Leu Val Thr Val Lys Ser Phe Asp Thr Ser
 260 265 270

Leu Ile Arg Lys Thr Arg Thr Ile Leu Glu Ala Lys Gln Ala Lys Asn
 275 280 285

Pro Ala Ser Pro Tyr Asn Leu Ala Tyr Lys Tyr Asn Phe Glu Tyr Ser
 290 295 300

Val Val Phe Asn Met Val Leu Trp Ile Met Ile Ala Leu Ala Leu Ala
 305 310 315 320

Val Ile Ile Thr Ser Tyr Asn Ile Trp Asn Met Asp Pro Gly Tyr Asp
 325 330 335

Ser Ile Ile Tyr Arg Met Thr Asn Gln Lys Ile Arg Met Asp
 340 345 350

<210> 2216

<211> 350

<212> PRT

<213> Homo sapiens

<400> 2216

Met Ala Val Phe Val Val Leu Leu Ala Leu Val Ala Gly Val Leu Gly

1

5

10

15

Asn Glu Phe Ser Ile Leu Lys Ser Pro Gly Ser Val Val Phe Arg Asn
 20 25 30

Gly Asn Trp Pro Ile Pro Gly Glu Arg Ile Pro Asp Val Ala Ala Leu
 35 40 45

Ser Met Gly Phe Ser Val Lys Glu Asp Leu Ser Trp Pro Gly Leu Ala
 50 55 60

Val Gly Asn Leu Phe His Arg Pro Arg Ala Thr Val Met Val Met Val
 65 70 75 80

Lys Gly Val Asn Lys Leu Ala Leu Pro Pro Gly Ser Val Ile Ser Tyr
 85 90 95

Pro Leu Glu Asn Ala Val Pro Phe Ser Leu Asp Ser Val Ala Asn Ser
 100 105 110

Ile His Ser Leu Phe Ser Glu Glu Thr Pro Val Val Leu Gln Leu Ala
 115 120 125

Pro Ser Glu Glu Arg Val Tyr Met Val Gly Lys Ala Asn Ser Val Phe
 130 135 140

Glu Asp Leu Ser Val Thr Leu Arg Gln Leu Arg Asn Arg Leu Phe Gln
 145 150 155 160

Glu Asn Ser Val Leu Ser Ser Leu Pro Leu Asn Ser Leu Ser Arg Asn
 165 170 175

Asn Glu Val Asp Leu Leu Phe Leu Ser Glu Leu Gln Val Leu His Asp
 180 185 190

Ile Ser Ser Leu Leu Ser Arg His Lys His Leu Ala Lys Asp His Ser
 195 200 205

Pro Asp Leu Tyr Ser Leu Glu Leu Ala Gly Leu Asp Glu Ile Gly Lys
 210 215 220

Arg Tyr Gly Glu Asp Ser Glu Gln Phe Arg Asp Ala Ser Lys Ile Leu
 225 230 235 240

Val Asp Ala Leu Gln Lys Phe Ala Asp Asp Met Tyr Ser Leu Tyr Gly
 245 250 255

Gly Asn Ala Val Val Glu Leu Val Thr Val Lys Ser Phe Asp Thr Ser
 260 265 270

Leu Ile Arg Lys Thr Arg Thr Ile Leu Glu Ala Lys Gln Ala Lys Asn
 275 280 285

Pro Ala Ser Pro Tyr Asn Leu Ala Tyr Lys Tyr Asn Phe Glu Tyr Ser
 290 295 300

Val Val Phe Asn Met Val Leu Trp Ile Met Ile Ala Leu Ala Leu Ala
 305 310 315 320

Val Ile Ile Thr Ser Tyr Asn Ile Trp Asn Met Asp Pro Gly Tyr Asp

325

330

335

Ser Ile Ile Tyr Arg Met Thr Asn Gln Lys Ile Arg Met Asp
 340 345 350

<210> 2217
 <211> 167
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (79)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 2217
 Met Cys Ser Leu Phe His Ala Phe Ile Phe Ala Gln Leu Trp Thr Val
 1 5 10 15

Tyr Cys Glu Gln Ser Ala Val Ala Thr Asn Leu Gln Asn Gln Asn Glu
 20 25 30

Phe Ser Phe Thr Ala Ile Leu Thr Ala Leu Glu Phe Trp Ser Arg Val
 35 40 45

Thr Pro Ser Ile Leu Gln Leu Met Ala His Asn Lys Xaa Met Val Glu
 50 55 60

Met Val Cys Leu His Val Ile Ser Leu Met Glu Ala Leu Gln Xaa Cys
 65 70 75 80

Asn Ser Thr Ile Phe Val Lys Leu Ile Pro Met Trp Leu Pro Met Ile
 85 90 95

Gln Ser Asn Ile Lys His Leu Ser Ala Gly Leu Gln Leu Arg Leu Gln
 100 105 110

Ala Ile Gln Asn His Val Asn His His Ser Leu Arg Thr Leu Pro Gly
 115 120 125

Ser Gly Gln Ser Ser Ala Gly Leu Ala Ala Leu Arg Lys Trp Leu Gln
 130 135 140

Cys Thr Gln Phe Lys Met Ala Gln Val Glu Ile Gln Ser Ser Glu Ala
 145 150 155 160

Ala Ser Gln Phe Tyr Pro Leu
 165

<210> 2218
 <211> 110

<212> PRT

<213> Homo sapiens

<400> 2218

Met	Glu	Phe	Pro	Gly	Ala	Asp	Gly	Cys	Asn	Gln	Val	Asp	Ala	Glu	Tyr
1					5				10				15		

Leu	Lys	Val	Gly	Ser	Glu	Gly	His	Phe	Arg	Val	Pro	Ala	Leu	Gly	Tyr
					20				25				30		

Leu	Asp	Val	Arg	Ile	Val	Asp	Thr	Asp	Tyr	Ser	Ser	Phe	Ala	Val	Leu
					35			40				45			

Tyr	Ile	Tyr	Lys	Glu	Leu	Glu	Gly	Ala	Leu	Ser	Thr	Met	Val	Gln	Leu
					50			55				60			

Tyr	Ser	Arg	Thr	Gln	Asp	Val	Ser	Pro	Gln	Ala	Leu	Lys	Ala	Phe	Gln
					65			70			75		80		

Asp	Phe	Tyr	Pro	Thr	Leu	Gly	Leu	Pro	Glu	Asp	Met	Met	Val	Met	Leu
					85			90				95			

Pro	Gln	Ser	Asp	Ala	Cys	Asn	Pro	Glu	Ser	Lys	Glu	Ala	Pro	
					100			105			110			

<210> 2219

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2219

Ile	Ser	Leu	Leu	Trp	Asn	Leu	Trp	Gln	Ser	Val	Lys	Ile	Gly	Cys	Gly
1					5				10			15			

Glu	Lys	Leu	Tyr	Pro	Gly	His	Thr	Lys	Asp	Ser	Arg	Asn	His	Leu	Gly
					20			25				30			

Gln	Asn	Leu	Ser	Phe	Leu	His	Phe	Ile	Tyr	Leu	Phe	Pro	Pro	Pro	His
					35			40				45			

Ser	Thr	His	Thr	Leu	Pro	Thr	Ser	Ser	Thr	Thr	Phe	Lys	His	Lys
					50			55			60			

Asp	Val	Arg	Val	Phe	Ser	Leu	Ser	Val	Ser	Trp	Arg	Thr	Gly	Cys	Trp
					65			70			75		80		

Glu	Arg	Lys	Gly	Gln	Met	Ser	Lys	Gly	Gly	Cys	Arg	Ala	Gly	Gln	Ala
					85			90			95				

Asp Ser Gly Gly Xaa Leu Glu Glu Leu Xaa Pro Ser Gln Thr Trp Val
 100 105 110

Ser Lys Thr
 115

<210> 2220

<211> 262

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (254)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2220

Met Glu Cys Cys Arg Arg Ala Thr Pro Gly Thr Leu Leu Leu Phe Leu
 1 5 10 15

Ala Phe Leu Leu Ser Ser Arg Thr Ala Arg Ser Glu Glu Asp Arg
 20 25 30

Asp Gly Leu Trp Asp Ala Trp Gly Pro Trp Ser Glu Cys Ser Arg Thr
 35 40 45

Cys Gly Gly Gly Ala Ser Tyr Ser Leu Arg Arg Cys Leu Ser Ser Lys
 50 55 60

Ser Cys Glu Gly Arg Asn Ile Arg Tyr Arg Thr Cys Ser Asn Val Asp
 65 70 75 80

Cys Pro Pro Glu Ala Gly Asp Phe Arg Ala Gln Gln Cys Ser Ala His
 85 90 95

Asn Asp Val Lys His His Gly Gln Phe Tyr Glu Trp Leu Pro Val Ser
 100 105 110

Asn Asp Pro Asp Asn Pro Cys Ser Leu Lys Cys Gln Ala Lys Gly Thr
 115 120 125

Thr Leu Val Val Glu Leu Ala Pro Lys Val Leu Asp Gly Thr Arg Cys
 130 135 140

Tyr Thr Glu Ser Leu Asp Met Cys Ile Ser Gly Leu Cys Gln Ile Val
 145 150 155 160

Gly Cys Asp His Gln Leu Gly Ser Thr Val Lys Glu Asp Asn Cys Gly
 165 170 175

Val Cys Asn Gly Asp Gly Ser Thr Cys Arg Leu Val Arg Gly Gln Tyr
 180 185 190

Lys Ser Gln Leu Ser Ala Thr Lys Ser Asp Asp Thr Val Val Ala Ile
 195 200 205

Pro Tyr Gly Ser Arg His Ile Arg Leu Val Leu Lys Gly Pro Asp His
 1480

210

215

220

Leu Tyr Leu Glu Thr Lys Thr Leu Gln Gly Thr Lys Gly Glu Asn Ser
 225 230 235 240

Leu Ser Ser Thr Gly Thr Phe Leu Val Asp Asn Ser Ser Xaa Thr Ser
 245 250 255

Arg Asn Phe Gln Thr Lys
 260

<210> 2221

<211> 514

<212> PRT

<213> Homo sapiens

<400> 2221

Glu Leu Cys Arg Gln Pro Lys Pro Ser Thr Val Gln Ala Cys Asn Arg
 1 5 10 15

Phe Asn Cys Pro Pro Ala Trp Tyr Pro Ala Gln Trp Gln Pro Cys Ser
 20 25 30

Arg Thr Cys Gly Gly Val Gln Lys Arg Glu Val Leu Cys Lys Gln
 35 40 45

Arg Met Ala Asp Gly Ser Phe Leu Glu Leu Pro Glu Thr Phe Cys Ser
 50 55 60

Ala Ser Lys Pro Ala Cys Gln Gln Ala Cys Lys Lys Asp Asp Cys Pro
 65 70 75 80

Ser Glu Trp Leu Leu Ser Asp Trp Thr Glu Cys Ser Thr Ser Cys Gly
 85 90 95

Glu Gly Thr Gln Thr Arg Ser Ala Ile Cys Arg Lys Met Leu Lys Thr
 100 105 110

Gly Leu Ser Thr Val Val Asn Ser Thr Leu Cys Pro Pro Leu Pro Phe
 115 120 125

Ser Ser Ser Ile Arg Pro Cys Met Leu Ala Thr Cys Ala Arg Pro Gly
 130 135 140

Arg Pro Ser Thr Lys His Ser Pro His Ile Ala Ala Ala Arg Lys Val
 145 150 155 160

Tyr Ile Gln Thr Arg Arg Gln Arg Lys Leu His Phe Val Val Gly Gly
 165 170 175

Phe Ala Tyr Leu Leu Pro Lys Thr Ala Val Val Leu Arg Cys Pro Ala
 180 185 190

Arg Arg Val Arg Lys Pro Leu Ile Thr Trp Glu Lys Asp Gly Gln His
 195 200 205

Leu Ile Ser Ser Thr His Val Thr Val Ala Pro Phe Gly Tyr Leu Lys
 210 215 220

Ile His Arg Leu Lys Pro Ser Asp Ala Gly Val Tyr Thr Cys Ser Ala
 225 230 235 240
 Gly Pro Ala Arg Glu His Phe Val Ile Lys Leu Ile Gly Gly Asn Arg
 245 250 255
 Lys Leu Val Ala Arg Pro Leu Ser Pro Arg Ser Glu Glu Val Leu
 260 265 270
 Ala Gly Arg Lys Gly Gly Pro Lys Glu Ala Leu Gln Thr His Lys His
 275 280 285
 Gln Asn Gly Ile Phe Ser Asn Gly Ser Lys Ala Glu Lys Arg Gly Leu
 290 295 300
 Ala Ala Asn Pro Gly Ser Arg Tyr Asp Asp Leu Val Ser Arg Leu Leu
 305 310 315 320
 Glu Gln Gly Gly Trp Pro Gly Glu Leu Leu Ala Ser Trp Glu Ala Gln
 325 330 335
 Asp Ser Ala Glu Arg Asn Thr Thr Ser Glu Glu Asp Pro Gly Ala Glu
 340 345 350
 Gln Val Leu Leu His Leu Pro Phe Thr Met Val Thr Glu Gln Arg Arg
 355 360 365
 Leu Asp Asp Ile Leu Gly Asn Leu Ser Gln Gln Pro Glu Glu Leu Arg
 370 375 380
 Asp Leu Tyr Ser Lys His Leu Val Ala Gln Leu Ala Gln Glu Ile Phe
 385 390 395 400
 Arg Ser His Leu Glu His Gln Asp Thr Leu Leu Lys Pro Ser Glu Arg
 405 410 415
 Arg Thr Ser Pro Val Thr Leu Ser Pro His Lys His Val Ser Gly Phe
 420 425 430
 Ser Ser Ser Leu Arg Thr Ser Ser Thr Gly Asp Ala Gly Gly Ser
 435 440 445
 Arg Arg Pro His Arg Lys Pro Thr Ile Leu Arg Lys Ile Ser Ala Ala
 450 455 460
 Gln Gln Leu Ser Ala Ser Glu Val Val Thr His Leu Gly Gln Thr Val
 465 470 475 480
 Ala Leu Ala Ser Gly Thr Leu Ser Val Phe Cys Thr Val Arg Pro Ser
 485 490 495
 Ala Thr Gln Gly Leu Pro Ser Ala Gly Pro Gly Met Glu Lys Lys Ser
 500 505 510
 Val Gln

<210> 2222

<211> 1745

<212> PRT

<213> Homo sapiens

<400> 2222

Met	Glu	Cys	Cys	Arg	Arg	Ala	Thr	Pro	Gly	Thr	Leu	Leu	Leu	Phe	Leu
1															

5

10

15

Ala	Phe	Leu	Leu	Leu	Ser	Ser	Arg	Thr	Ala	Arg	Ser	Glu	Glu	Asp	Arg
20									25						30

Asp	Gly	Leu	Trp	Asp	Ala	Trp	Gly	Pro	Trp	Ser	Glu	Cys	Ser	Arg	Thr
35								40				45			

Cys	Gly	Gly	Gly	Ala	Ser	Tyr	Ser	Leu	Arg	Arg	Cys	Leu	Ser	Ser	Lys
50								55				60			

Ser	Cys	Glu	Gly	Arg	Asn	Ile	Arg	Tyr	Arg	Thr	Cys	Ser	Asn	Val	Asp
65						70			75				80		

Cys	Pro	Pro	Glu	Ala	Gly	Asp	Phe	Arg	Ala	Gln	Gln	Cys	Ser	Ala	His
85									90				95		

Asn	Asp	Val	Lys	His	His	Gly	Gln	Phe	Tyr	Glu	Trp	Leu	Pro	Val	Ser
100								105				110			

Asn	Asp	Pro	Asp	Asn	Pro	Cys	Ser	Leu	Lys	Cys	Gln	Ala	Lys	Gly	Thr
115								120				125			

Thr	Leu	Val	Val	Glu	Leu	Ala	Pro	Lys	Val	Leu	Asp	Gly	Thr	Arg	Cys
130							135				140				

Tyr	Thr	Glu	Ser	Leu	Asp	Met	Cys	Ile	Ser	Gly	Leu	Cys	Gln	Ile	Val
145					150				155				160		

Gly	Cys	Asp	His	Gln	Leu	Gly	Ser	Thr	Val	Lys	Glu	Asp	Asn	Cys	Gly
165									170				175		

Val	Cys	Asn	Gly	Asp	Gly	Ser	Thr	Cys	Arg	Leu	Val	Arg	Gly	Gln	Tyr
180								185				190			

Lys	Ser	Gln	Leu	Ser	Ala	Thr	Lys	Ser	Asp	Asp	Thr	Val	Val	Ala	Ile
195							200				205				

Pro	Tyr	Gly	Ser	Arg	His	Ile	Arg	Leu	Val	Leu	Lys	Gly	Pro	Asp	His
210						215				220					

Leu	Tyr	Leu	Glu	Thr	Lys	Thr	Leu	Gln	Gly	Thr	Lys	Gly	Glu	Asn	Ser
225					230				235				240		

Leu	Ser	Ser	Thr	Gly	Thr	Phe	Leu	Val	Asp	Asn	Ser	Ser	Val	Asp	Phe
245								250				255			

Gln	Lys	Phe	Pro	Asp	Lys	Glu	Ile	Leu	Arg	Met	Ala	Gly	Pro	Leu	Thr
260								265				270			

Ala	Asp	Phe	Ile	Val	Lys	Ile	Arg	Asn	Ser	Gly	Ser	Ala	Asp	Ser	Thr
275					280				285						

Val Gln Phe Ile Phe Tyr Gln Pro Ile Ile His Arg Trp Arg Glu Thr
 290 295 300
 Asp Phe Phe Pro Cys Ser Ala Thr Cys Gly Gly Gly Tyr Gln Leu Thr
 305 310 315 320
 Ser Ala Glu Cys Tyr Asp Leu Arg Ser Asn Arg Val Val Ala Asp Gln
 325 330 335
 Tyr Cys His Tyr Tyr Pro Glu Asn Ile Lys Pro Lys Pro Lys Leu Gln
 340 345 350
 Glu Cys Asn Leu Asp Pro Cys Pro Ala Arg Trp Glu Ala Thr Pro Trp
 355 360 365
 Thr Ala Cys Ser Ser Ser Cys Gly Gly Gly Ile Gln Ser Arg Ala Val
 370 375 380
 Ser Cys Val Glu Glu Asp Ile Gln Gly His Val Thr Ser Val Glu Glu
 385 390 395 400
 Trp Lys Cys Met Tyr Thr Pro Lys Met Pro Ile Ala Gln Pro Cys Asn
 405 410 415
 Ile Phe Asp Cys Pro Lys Trp Leu Ala Gln Glu Trp Ser Pro Cys Thr
 420 425 430
 Val Thr Cys Gly Gln Gly Leu Arg Tyr Arg Val Val Leu Cys Ile Asp
 435 440 445
 His Arg Gly Met His Thr Gly Gly Cys Ser Pro Lys Thr Lys Pro His
 450 455 460
 Ile Lys Glu Glu Cys Ile Val Pro Thr Pro Cys Tyr Lys Pro Lys Glu
 465 470 475 480
 Lys Leu Pro Val Glu Ala Lys Leu Pro Trp Phe Lys Gln Ala Gln Glu
 485 490 495
 Leu Glu Glu Gly Ala Ala Val Ser Glu Glu Pro Ser Phe Ile Pro Lys
 500 505 510
 Ala Trp Ser Ala Cys Thr Val Thr Cys Gly Val Gly Thr Gln Val Arg
 515 520 525
 Ile Val Arg Cys Gln Val Leu Leu Ser Phe Ser Gln Ser Val Ala Asp
 530 535 540
 Leu Pro Ile Asp Glu Cys Glu Gly Pro Lys Pro Ala Ser Gln Arg Ala
 545 550 555 560
 Cys Tyr Ala Gly Pro Cys Ser Gly Glu Ile Pro Glu Phe Asn Pro Asp
 565 570 575
 Glu Thr Asp Gly Leu Phe Gly Gly Leu Gln Asp Phe Asp Glu Leu Tyr
 580 585 590
 Asp Trp Glu Tyr Glu Gly Phe Thr Lys Cys Ser Glu Ser Cys Gly Gly
 595 600 605

Gly Val Gln Glu Ala Val Val Ser Cys Leu Asn Lys Gln Thr Arg Glu
610 615 620

Pro Ala Glu Glu Asn Leu Cys Val Thr Ser Arg Arg Pro Pro Gln Leu
625 630 635 640

Leu Lys Ser Cys Asn Leu Asp Pro Cys Pro Ala Arg Trp Glu Ile Gly
645 650 655

Lys Trp Ser Pro Cys Ser Leu Thr Cys Gly Val Gly Leu Gln Thr Arg
660 665 670

Asp Val Phe Cys Ser His Leu Leu Ser Arg Glu Met Asn Glu Thr Val
675 680 685

Ile Leu Ala Asp Glu Leu Cys Arg Gln Pro Lys Pro Ser Thr Val Gln
690 695 700

Ala Cys Asn Arg Phe Asn Cys Pro Pro Ala Trp Tyr Pro Ala Gln Trp
705 710 715 720

Gln Pro Cys Ser Arg Thr Cys Gly Gly Val Gln Lys Arg Glu Val
725 730 735

Leu Cys Lys Gln Arg Met Ala Asp Gly Ser Phe Leu Glu Leu Pro Glu
740 745 750

Thr Phe Cys Ser Ala Ser Lys Pro Ala Cys Gln Gln Ala Cys Lys Lys
755 760 765

Asp Asp Cys Pro Ser Glu Trp Leu Leu Ser Asp Trp Thr Glu Cys Ser
770 775 780

Thr Ser Cys Gly Glu Gly Thr Gln Thr Arg Ser Ala Ile Cys Arg Lys
785 790 795 800

Met Leu Lys Thr Gly Leu Ser Thr Val Val Asn Ser Thr Leu Cys Pro
805 810 815

Pro Leu Pro Phe Ser Ser Ser Ile Arg Pro Cys Met Leu Ala Thr Cys
820 825 830

Ala Arg Pro Gly Arg Pro Ser Thr Lys His Ser Pro His Ile Ala Ala
835 840 845

Ala Arg Lys Val Tyr Ile Gln Thr Arg Arg Gln Arg Lys Leu His Phe
850 855 860

Val Val Gly Gly Phe Ala Tyr Leu Leu Pro Lys Thr Ala Val Val Leu
865 870 875 880

Arg Cys Pro Ala Arg Arg Val Arg Lys Pro Leu Ile Thr Trp Glu Lys
885 890 895

Asp Gly Gln His Leu Ile Ser Ser Thr His Val Thr Val Ala Pro Phe
900 905 910

Gly Tyr Leu Lys Ile His Arg Leu Lys Pro Ser Asp Ala Gly Val Tyr
915 920 925

Thr Cys Ser Ala Gly Pro Ala Arg Glu His Phe Val Ile Lys Leu Ile
 930 935 940
 Gly Gly Asn Arg Lys Leu Val Ala Arg Pro Leu Ser Pro Arg Ser Glu
 945 950 955 960
 Glu Glu Val Leu Ala Gly Arg Lys Gly Pro Lys Glu Ala Leu Gln
 965 970 975
 Thr His Lys His Gln Asn Gly Ile Phe Ser Asn Gly Ser Lys Ala Glu
 980 985 990
 Lys Arg Gly Leu Ala Ala Asn Pro Gly Ser Arg Tyr Asp Asp Leu Val
 995 1000 1005
 Ser Arg Leu Leu Glu Gln Gly Gly Trp Pro Gly Glu Leu Leu Ala Ser
 1010 1015 1020
 Trp Glu Ala Gln Asp Ser Ala Glu Arg Asn Thr Thr Ser Glu Glu Asp
 1025 1030 1035 1040
 Pro Gly Ala Glu Gln Val Leu Leu His Leu Pro Phe Thr Met Val Thr
 1045 1050 1055
 Glu Gln Arg Arg Leu Asp Asp Ile Leu Gly Asn Leu Ser Gln Gln Pro
 1060 1065 1070
 Glu Glu Leu Arg Asp Leu Tyr Ser Lys His Leu Val Ala Gln Leu Ala
 1075 1080 1085
 Gln Glu Ile Phe Arg Ser His Leu Glu His Gln Asp Thr Leu Leu Lys
 1090 1095 1100
 Pro Ser Glu Arg Arg Thr Ser Pro Val Thr Leu Ser Pro His Lys His
 1105 1110 1115 1120
 Val Ser Gly Phe Ser Ser Ser Leu Arg Thr Ser Ser Thr Gly Asp Ala
 1125 1130 1135
 Gly Gly Gly Ser Arg Arg Pro His Arg Lys Pro Thr Ile Leu Arg Lys
 1140 1145 1150
 Ile Ser Ala Ala Gln Gln Leu Ser Ala Ser Glu Val Val Thr His Leu
 1155 1160 1165
 Gly Gln Thr Val Ala Leu Ala Ser Gly Thr Leu Ser Val Leu Leu His
 1170 1175 1180
 Cys Glu Ala Ile Gly His Pro Arg Pro Thr Ile Ser Trp Ala Arg Asn
 1185 1190 1195 1200
 Gly Glu Glu Val Gln Phe Ser Asp Arg Ile Leu Leu Gln Pro Asp Asp
 1205 1210 1215
 Ser Leu Gln Ile Leu Ala Pro Val Glu Ala Asp Val Gly Phe Tyr Thr
 1220 1225 1230
 Cys Asn Ala Thr Asn Ala Leu Gly Tyr Asp Ser Val Ser Ile Ala Val
 1235 1240 1245

Thr Leu Ala Gly Lys Pro Leu Val Lys Thr Ser Arg Met Thr Val Ile
 1250 1255 1260
 Asn Thr Glu Lys Pro Ala Val Thr Val Asp Ile Gly Ser Thr Ile Lys
 1265 1270 1275 1280
 Thr Val Gln Gly Val Asn Val Thr Ile Asn Cys Gln Val Ala Gly Val
 1285 1290 1295
 Pro Glu Ala Glu Val Thr Trp Phe Arg Asn Lys Ser Lys Leu Gly Ser
 1300 1305 1310
 Pro His His Leu His Glu Gly Ser Leu Leu Leu Thr Asn Val Ser Ser
 1315 1320 1325
 Ser Asp Gln Gly Leu Tyr Ser Cys Arg Ala Ala Asn Leu His Gly Glu
 1330 1335 1340
 Leu Thr Glu Ser Thr Gln Leu Leu Ile Leu Asp Pro Pro Gln Val Pro
 1345 1350 1355 1360
 Thr Gln Leu Glu Asp Ile Arg Ala Leu Leu Ala Ala Thr Gly Pro Asn
 1365 1370 1375
 Leu Pro Ser Val Leu Thr Ser Pro Leu Gly Thr Gln Leu Val Leu Asp
 1380 1385 1390
 Pro Gly Asn Ser Ala Leu Leu Gly Cys Pro Ile Lys Gly His Pro Val
 1395 1400 1405
 Pro Asn Ile Thr Trp Phe His Gly Gly Gln Pro Ile Val Thr Ala Thr
 1410 1415 1420
 Gly Leu Thr His His Ile Leu Ala Ala Gly Gln Ile Leu Gln Val Ala
 1425 1430 1435 1440
 Asn Leu Ser Gly Gly Ser Gln Gly Glu Phe Ser Cys Leu Ala Gln Asn
 1445 1450 1455
 Glu Ala Gly Val Leu Met Gln Lys Ala Ser Leu Val Ile Gln Asp Tyr
 1460 1465 1470
 Trp Trp Ser Val Asp Arg Leu Ala Thr Cys Ser Ala Ser Cys Gly Asn
 1475 1480 1485
 Arg Gly Val Gln Gln Pro Arg Leu Arg Cys Leu Leu Asn Ser Thr Glu
 1490 1495 1500
 Val Asn Pro Ala His Cys Ala Gly Lys Val Arg Pro Ala Val Gln Pro
 1505 1510 1515 1520
 Ile Ala Cys Asn Arg Arg Asp Cys Pro Ser Arg Trp Met Val Thr Ser
 1525 1530 1535
 Trp Ser Ala Cys Thr Arg Ser Cys Gly Gly Val Gln Thr Arg Arg
 1540 1545 1550
 Val Thr Cys Gln Lys Leu Lys Ala Ser Gly Ile Ser Thr Pro Val Ser
 1555 1560 1565

Asn Asp Met Cys Thr Gln Val Ala Lys Arg Pro Val Asp Thr Gln Ala
 1570 1575 1580

 Cys Asn Gln Gln Leu Cys Val Glu Trp Ala Phe Ser Ser Trp Gly Gln
 1585 1590 1595 1600

 Cys Asn Gly Pro Cys Ile Gly Pro His Leu Ala Val Gln His Arg Gln
 1605 1610 1615

 Val Phe Cys Gln Thr Arg Asp Gly Ile Thr Leu Pro Ser Glu Gln Cys
 1620 1625 1630

 Ser Ala Leu Pro Arg Pro Val Ser Thr Gln Asn Cys Trp Ser Glu Ala
 1635 1640 1645

 Cys Ser Val His Trp Arg Val Ser Leu Trp Thr Leu Cys Thr Ala Thr
 1650 1655 1660

 Cys Gly Asn Tyr Gly Phe Gln Ser Arg Arg Val Glu Cys Val His Ala
 1665 1670 1675 1680

 Arg Thr Asn Lys Ala Val Pro Glu His Leu Cys Ser Trp Gly Pro Arg
 1685 1690 1695

 Pro Ala Asn Trp Gln Arg Cys Asn Ile Thr Pro Cys Glu Asn Met Glu
 1700 1705 1710

 Cys Arg Asp Thr Thr Arg Tyr Cys Glu Lys Val Lys Gln Leu Lys Leu
 1715 1720 1725

 Cys Gln Leu Ser Gln Phe Lys Ser Arg Cys Cys Gly Thr Cys Gly Lys
 1730 1735 1740

 Ala
 1745

<210> 2223
 <211> 19
 <212> PRT
 <213> Homo sapiens

 <400> 2223
 Glu Cys Cys Glu Thr Ala Ala Pro Pro Gly Pro His Arg Arg Pro Glu
 1 5 10 15

 Ser Gly Gln

<210> 2224
 <211> 363
 <212> PRT
 <213> Homo sapiens

 <400> 2224
 Met Ala Ala Val Leu Thr Trp Ala Leu Ala Leu Leu Ser Ala Phe Ser
 1 5 10 15

Ala Thr Gln Ala Arg Lys Gly Phe Trp Asp Tyr Phe Ser Gln Thr Ser
 20 25 30

Gly Asp Lys Gly Arg Val Glu Gln Ile His Gln Gln Lys Met Ala Arg
 35 40 45

Glu Pro Ala Thr Leu Lys Asp Ser Leu Glu Gln Asp Leu Asn Asn Met
 50 55 60

Asn Lys Phe Leu Glu Lys Leu Arg Pro Leu Ser Gly Ser Glu Ala Pro
 65 70 75 80

Arg Leu Pro Gln Asp Pro Val Gly Met Arg Arg Gln Leu Gln Glu Glu
 85 90 95

Leu Glu Glu Val Lys Ala Arg Leu Gln Pro Tyr Met Ala Glu Ala His
 100 105 110

Glu Leu Val Gly Trp Asn Leu Glu Gly Leu Arg Gln Gln Leu Lys Pro
 115 120 125

Tyr Thr Met Asp Leu Met Glu Gln Val Ala Leu Arg Val Gln Glu Leu
 130 135 140

Gln Glu Gln Leu Arg Val Val Gly Glu Asp Thr Lys Ala Gln Leu Leu
 145 150 155 160

Gly Gly Val Asp Glu Ala Trp Ala Leu Leu Gln Gly Leu Gln Ser Arg
 165 170 175

Val Val His His Thr Gly Arg Phe Lys Glu Leu Phe His Pro Tyr Ala
 180 185 190

Glu Ser Leu Val Ser Gly Ile Gly Arg His Val Gln Glu Leu His Arg
 195 200 205

Ser Val Ala Pro His Ala Pro Ala Ser Pro Ala Arg Leu Ser Arg Cys
 210 215 220

Val Gln Val Leu Ser Arg Lys Leu Thr Leu Lys Ala Lys Ala Leu His
 225 230 235 240

Ala Arg Ile Gln Gln Asn Leu Asp Gln Leu Arg Glu Glu Leu Ile Arg
 245 250 255

Ala Phe Ala Gly Thr Gly Thr Glu Glu Gly Ala Gly Pro Asp Pro Gln
 260 265 270

Met Leu Ser Glu Glu Val Arg Gln Arg Leu Gln Ala Phe Arg Gln Asp
 275 280 285

Thr Tyr Leu Gln Ile Ala Ala Phe Thr Arg Ala Ile Asp Gln Glu Thr
 290 295 300

Glu Glu Val Gln Gln Gln Leu Ala Pro Pro Pro Pro Gly His Ser Ala
 305 310 315 320

Phe Ala Pro Glu Phe Gln Gln Thr Asp Ser Gly Lys Val Leu Ser Lys
 325 330 335

Leu Gln Ala Arg Leu Asp Asp Leu Trp Glu Asp Ile Thr His Ser Leu
 340 345 350

His Asp Gln Gly His Ser His Leu Gly Asp Pro
 355 360

<210> 2225

<211> 183

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2225

Met Ala Val Gly Lys Phe Leu Leu Gly Ser Leu Leu Leu Ser Leu
 1 5 10 15

Gln Leu Gly Gln Gly Trp Gly Pro Asp Ala Arg Gly Val Pro Val Ala
 20 25 30

Asp Gly Glu Phe Ser Ser Glu Gln Val Ala Lys Ala Gly Gly Thr Trp
 35 40 45

Leu Gly Lys Asp Phe Gln Gly Pro Ser Val Thr Ser Gln Leu Ser Pro
 50 55 60

Ala Leu Thr Leu Leu Thr Val Ser Ala Leu Pro Ser His Arg His Pro
 65 70 75 80

Pro Pro Pro Cys Pro Xaa Ala Pro Ser Pro Val Trp Ser Met Pro Ala
 85 90 95

Val Glu Pro Asp Pro Val Arg Gly Arg Ala Arg Pro Gly Leu Arg Leu
 100 105 110

Ile Gly Glu Val Ile Phe Arg Tyr Cys Ala Gly Ser Cys Pro Arg Gly
 115 120 125

Ala Arg Thr Gln His Gly Leu Ala Leu Ala Arg Leu Gln Gly Gln Gly
 130 135 140

Arg Xaa His Gly Gly Pro Cys Cys Arg Pro Thr Arg Tyr Thr Asp Val
 145 150 155 160

Ala Phe Leu Asp Asp Arg His Ala Gly Ser Gly Cys Pro Ser Ser Arg
 165 170 175

Arg Leu Cys Gly Cys Gly Gly
 180

<210> 2226

<211> 252

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 2226

Met Ala Val Gly Lys Phe Leu Leu Gly Ser Leu Leu Leu Ser Leu
1 5 10 15

Gln Leu Gly Gln Gly Trp Gly Pro Asp Ala Arg Gly Val Pro Val Ala
20 25 30

Asp Gly Glu Phe Ser Ser Glu Gln Val Ala Lys Ala Gly Gly Thr Trp
35 40 45

Leu Gly Lys Asp Phe Gln Gly Pro Ser Val Thr Ser Gln Leu Ser Pro
50 55 60

Ala Leu Thr Leu Leu Thr Val Ser Ala Leu Pro Ser His Arg His Pro
65 70 75 80

Pro Pro Pro Cys Pro Xaa Ala Pro Ser Pro Val Trp Ser Met Pro Ala
85 90 95

Val Glu Pro Asp Pro Val Arg Gly Arg Ala Arg Pro Gly Leu Arg Leu
100 105 110

Ile Gly Glu Xaa His Leu Pro Leu Leu Arg Arg Gln Leu Pro Pro Trp
115 120 125

Cys Pro His Pro Ala Trp Xaa Gly Ala Gly Pro Ala Ala Gly Pro Gly
130 135 140

Pro Xaa Pro Arg Arg Ala Leu Leu Pro Ala His Ser Leu His Arg Arg
145 150 155 160

Gly Leu Pro Arg Arg Pro Pro Arg Trp Gln Arg Leu Pro Gln Leu Ser

165

170

175

Ala Ala Leu Arg Leu Trp Trp Leu Arg Val Pro Gly Leu Ala Pro Arg
 180 185 190

Ser Cys Ser Ala Gly Gly Ala Arg Leu Thr Tyr Leu Leu Glu Thr Trp
 195 200 205

Met Gln Arg Gln Arg Gly Gly Glu Trp Ala Gly Ala Thr Ser Ser Glu
 210 215 220

Cys Asn Lys Gly His His Ser Pro Gly Lys Lys Lys Lys Lys Lys Lys
 225 230 235 240

Lys Lys Lys Lys Lys Leu Glu Gly Ser Arg Tyr
 245 250

<210> 2227

<211> 150

<212> PRT

<213> Homo sapiens

<400> 2227

Met Val Met Ile Leu Phe Val Ala Phe Ile Thr Cys Trp Glu Glu Val
 1 5 10 15

Thr Thr Leu Val Gln Ala Ile Arg Ile Thr Ser Tyr Met Asn Glu Thr
 20 25 30

Ile Leu Tyr Phe Pro Phe Ser Ser His Ser Ser Tyr Thr Val Arg Ser
 35 40 45

Lys Lys Ile Phe Leu Ser Lys Leu Ile Val Cys Phe Leu Ser Thr Trp
 50 55 60

Leu Pro Phe Val Leu Leu Gln Val Ile Ile Val Leu Leu Lys Val Gln
 65 70 75 80

Ile Pro Ala Tyr Ile Glu Met Asn Ile Pro Trp Leu Tyr Phe Val Asn
 85 90 95

Ser Phe Leu Ile Ala Thr Val Tyr Trp Phe Asn Cys His Lys Leu Asn
 100 105 110

Leu Lys Asp Ile Gly Leu Pro Leu Asp Pro Phe Val Asn Trp Lys Cys
 115 120 125

Cys Phe Ile Pro Leu Thr Ile Pro Asn Leu Glu Gln Ile Glu Lys Pro
 130 135 140

Ile Ser Ile Met Ile Cys
 145 150

<210> 2228

<211> 125

<212> PRT

<213> Homo sapiens

<400> 2228

Met Ile Pro Phe Pro Ala Cys Leu Leu Leu Ala Leu Phe Pro Lys Val			
1	5	10	15

Gln Val Gly Arg Thr Thr Ser Ala Tyr Phe Ser Thr Ile Pro Ser Met			
20	25	30	

Pro Ala Arg Ser Gln Ile Asn Leu Pro Val Glu Ser Gly Ser Ala Leu			
35	40	45	

Leu Glu Pro Arg Gly Lys Gly Arg Val Glu Arg Val Cys Pro Val Ala			
50	55	60	

Trp Ser Ser Met Val Ala Ser Cys Leu Pro Ser Pro Ser Ser Gly Gly			
65	70	75	80

Pro Glu Gly Ser Leu Gly Thr Val Pro Gln Ile Leu Thr Gln Gly Pro			
85	90	95	

Ala Trp Gly Arg Asp Gly Cys Arg Gln Asn Ala Leu Tyr Arg Asp Phe			
100	105	110	

Leu Leu Leu Gly Arg Cys Val Ser Pro Thr Ile Cys Leu			
115	120	125	

<210> 2229

<211> 766

<212> PRT

<213> Homo sapiens

<400> 2229

Met Ile Trp Arg Ser Arg Ala Gly Ala Glu Leu Phe Ser Leu Met Ala			
1	5	10	15

Leu Trp Glu Trp Ile Ala Leu Ser Leu His Cys Trp Val Leu Ala Val			
20	25	30	

Ala Ala Val Ser Asp Gln His Ala Thr Ser Pro Phe Asp Trp Leu Leu			
35	40	45	

Ser Asp Lys Gly Pro Phe His Arg Ser Gln Glu Tyr Thr Asp Phe Val			
50	55	60	

Asp Arg Ser Arg Gln Gly Phe Ser Thr Arg Tyr Lys Ile Tyr Arg Glu			
65	70	75	80

Phe Gly Arg Trp Lys Val Asn Asn Leu Ala Val Glu Arg Arg Asn Phe			
85	90	95	

Leu Gly Ser Pro Leu Pro Leu Ala Pro Glu Phe Phe Arg Asn Ile Arg			
100	105	110	

Leu Leu Gly Arg Arg Pro Thr Leu Gln Gln Ile Thr Glu Asn Leu Ile			
115	120	125	

Lys Lys Tyr Gly Thr His Phe Leu Leu Ser Ala Thr Leu Gly Gly Glu			
---	--	--	--

130	135	140
Glu Ser Leu Thr Ile Phe Val Asp Lys Arg Lys Leu Ser Lys Arg Ala		
145	150	155
Glu Gly Ser Asp Ser Thr Thr Asn Ser Ser Ser Val Thr Leu Glu Thr		
165	170	175
Leu His Gln Leu Ala Ala Ser Tyr Phe Ile Asp Arg Asp Ser Thr Leu		
180	185	190
Arg Arg Leu His His Ile Gln Ile Ala Ser Thr Ala Ile Lys Val Thr		
195	200	205
Glu Thr Arg Thr Gly Pro Leu Gly Cys Ser Asn Tyr Asp Asn Leu Asp		
210	215	220
Ser Val Ser Ser Val Leu Val Gln Ser Pro Glu Asn Lys Ile Gln Leu		
225	230	235
240		
Gln Gly Leu Gln Val Leu Leu Pro Asp Tyr Leu Gln Glu Arg Phe Val		
245	250	255
Gln Ala Ala Leu Ser Tyr Ile Ala Cys Asn Ser Glu Gly Glu Phe Ile		
260	265	270
Cys Lys Glu Asn Asp Cys Trp Cys His Cys Gly Pro Lys Phe Pro Glu		
275	280	285
Cys Asn Cys Pro Ser Met Asp Ile Gln Ala Met Glu Glu Asn Leu Leu		
290	295	300
Arg Ile Thr Glu Thr Trp Lys Ala Tyr Asn Ser Asp Phe Glu Glu Ser		
305	310	315
320		
Asp Glu Phe Lys Leu Phe Met Lys Arg Leu Pro Met Asn Tyr Phe Leu		
325	330	335
Asn Thr Ser Thr Ile Met His Leu Trp Thr Met Asp Ser Asn Phe Gln		
340	345	350
Arg Arg Tyr Glu Gln Leu Glu Asn Ser Met Lys Gln Leu Phe Leu Lys		
355	360	365
Ala Gln Lys Ile Val His Lys Leu Phe Ser Leu Ser Lys Arg Cys His		
370	375	380
Lys Gln Pro Leu Ile Ser Leu Pro Arg Gln Arg Thr Ser Thr Tyr Trp		
385	390	395
400		
Leu Thr Arg Ile Gln Ser Phe Leu Tyr Cys Asn Glu Asn Gly Leu Leu		
405	410	415
Gly Ser Phe Ser Glu Glu Thr His Ser Cys Thr Cys Pro Asn Asp Gln		
420	425	430
Val Val Cys Thr Ala Phe Leu Pro Cys Thr Val Gly Asp Ala Ser Ala		
435	440	445
Cys Leu Thr Cys Ala Pro Asp Asn Arg Thr Arg Cys Gly Thr Cys Asn		

450	455	460
Thr Gly Tyr Met Leu Ser Gln Gly Leu Cys Lys Pro Glu Val Ala Glu		
465	470	475
480		
Ser Thr Asp His Tyr Ile Gly Phe Glu Thr Asp Leu Gln Asp Leu Glu		
485	490	495
Met Lys Tyr Leu Leu Gln Lys Thr Asp Arg Arg Ile Glu Val His Ala		
500	505	510
Ile Phe Ile Ser Asn Asp Met Arg Leu Asn Ser Trp Phe Asp Pro Ser		
515	520	525
Trp Arg Lys Arg Met Leu Leu Thr Leu Lys Ser Asn Lys Tyr Lys Ser		
530	535	540
Ser Leu Val His Met Ile Leu Gly Leu Ser Leu Gln Ile Cys Leu Thr		
545	550	555
560		
Lys Asn Ser Thr Leu Glu Pro Val Leu Ala Val Tyr Val Asn Pro Phe		
565	570	575
Gly Gly Ser His Ser Glu Ser Trp Phe Met Pro Val Asn Glu Asn Ser		
580	585	590
Phe Pro Asp Trp Glu Arg Thr Lys Leu Asp Leu Pro Leu Gln Cys Tyr		
595	600	605
Asn Trp Thr Leu Thr Leu Gly Asn Lys Trp Lys Thr Phe Phe Glu Thr		
610	615	620
Val His Ile Tyr Leu Arg Ser Arg Ile Lys Ser Asn Gly Pro Asn Gly		
625	630	635
640		
Asn Glu Ser Ile Tyr Tyr Glu Pro Leu Glu Phe Ile Asp Pro Ser Arg		
645	650	655
Asn Leu Gly Tyr Met Lys Ile Asn Asn Ile Gln Val Phe Gly Tyr Ser		
660	665	670
Met His Phe Asp Pro Glu Ala Ile Arg Asp Leu Ile Leu Gln Leu Asp		
675	680	685
Tyr Pro Tyr Thr Gln Gly Ser Gln Asp Ser Ala Leu Leu Gln Leu Leu		
690	695	700
Glu Ile Arg Asp Arg Val Asn Lys Leu Ser Pro Pro Gly Gln Arg Arg		
705	710	715
720		
Leu Asp Leu Phe Ser Cys Leu Leu Arg His Arg Leu Lys Leu Ser Thr		
725	730	735
Ser Glu Val Val Arg Ile Gln Ser Ala Leu Gln Ala Phe Asn Ala Lys		
740	745	750
Leu Pro Asn Thr Met Asp Tyr Asp Thr Thr Lys Leu Cys Ser		
755	760	765

<210> 2230
<211> 61
<212> PRT
<213> *Homo sapiens*

<210> 2231
<211> 133
<212> PRT
<213> *Homo sapiens*

<400> 2231
 Met Arg Met Ser Leu Ala Gln Arg Val Leu Leu Thr Trp Leu Phe Thr
 1 5 10 15
 Leu Leu Phe Leu Ile Met Leu Val Leu Lys Leu Asp Glu Lys Ala Pro
 20 25 30
 Trp Asn Trp Phe Leu Ile Phe Ile Pro Val Trp Ile Phe Asp Thr Ile
 35 40 45
 Leu Leu Val Leu Leu Ile Val Lys Met Ala Gly Arg Cys Lys Ser Gly
 50 55 60
 Phe Asp Pro Arg His Gly Ser His Asn Ile Lys Lys Lys Ala Trp Tyr
 65 70 75 80
 Leu Ile Ala Met Leu Leu Lys Leu Ala Phe Cys Leu Ala Leu Cys Ala
 85 90 95
 Lys Leu Glu Gln Phe Thr Thr Met Asn Leu Ser Tyr Val Phe Ile Pro
 100 105 110
 Leu Trp Ala Leu Leu Ala Gly Ala Leu Thr Glu Leu Gly Tyr Asn Val
 115 120 125
 Phe Phe Val Arg Asp
 130

<210> 2232
<211> 131
<212> PRT
<213> *Homo sapiens*

<400> 2232

Met	Ser	Leu	Ala	Gln	Arg	Val	Leu	Leu	Thr	Trp	Leu	Phe	Thr	Leu	Leu
1															15

Phe	Leu	Ile	Met	Leu	Val	Leu	Lys	Leu	Asp	Glu	Lys	Ala	Pro	Trp	Asn
															30
			20					25							

Trp	Phe	Leu	Ile	Phe	Ile	Pro	Val	Trp	Ile	Phe	Asp	Thr	Ile	Leu	Leu
															45
							35		40						

Val	Leu	Leu	Ile	Val	Lys	Met	Ala	Gly	Arg	Cys	Lys	Ser	Gly	Phe	Asp
															60
							50		55						

Pro	Arg	His	Gly	Ser	His	Asn	Ile	Lys	Lys	Ala	Trp	Tyr	Leu	Ile	
															80
							65		70		75				

Ala	Met	Leu	Leu	Lys	Leu	Ala	Phe	Cys	Leu	Ala	Leu	Cys	Ala	Lys	Leu
															95
							85				90				

Glu	Gln	Phe	Thr	Thr	Met	Asn	Leu	Ser	Tyr	Val	Phe	Ile	Pro	Leu	Trp
															110
							100		105						

Ala	Leu	Leu	Ala	Gly	Ala	Leu	Thr	Glu	Leu	Gly	Tyr	Asn	Val	Phe	Phe
															125
							115		120						

Val	Arg	Asp													
															130

<210> 2233

<211> 298

<212> PRT

<213> Homo sapiens

<400> 2233

Met	Lys	Thr	Leu	Gln	Ser	Thr	Leu	Leu	Leu	Leu	Leu	Val	Pro	Leu	
1															15

Ile	Lys	Pro	Ala	Pro	Pro	Thr	Gln	Gln	Asp	Ser	Arg	Ile	Ile	Tyr	Asp
															30
							20		25						

Tyr	Gly	Thr	Asp	Asn	Phe	Glu	Glu	Ser	Ile	Phe	Ser	Gln	Asp	Tyr	Glu
															45
							35		40						

Asp	Lys	Tyr	Leu	Asp	Gly	Lys	Asn	Ile	Lys	Glu	Lys	Glu	Thr	Val	Ile
															60
							50		55						

Ile	Pro	Asn	Glu	Lys	Ser	Leu	Gln	Leu	Gln	Lys	Asp	Glu	Ala	Ile	Thr
															80
							65		70		75				

Pro	Leu	Pro	Pro	Lys	Lys	Glu	Asn	Asp	Glu	Met	Pro	Thr	Cys	Leu	Leu
															95
							85				90				

Cys	Val	Cys	Leu	Ser	Gly	Ser	Val	Tyr	Cys	Glu	Glu	Val	Asp	Ile	Asp
															110
							100		105						

Ala	Val	Pro	Pro	Leu	Pro	Lys	Glu	Ser	Ala	Tyr	Leu	Tyr	Ala	Arg	Phe
															125
							115		120						

Asn Lys Ile Lys Lys Leu Thr Ala Lys Asp Phe Ala Asp Ile Pro Asn
 130 135 140
 Leu Arg Arg Leu Asp Phe Thr Gly Asn Leu Ile Glu Asp Ile Glu Asp
 145 150 155 160
 Gly Thr Phe Ser Lys Leu Ser Leu Leu Glu Glu Leu Ser Leu Ala Glu
 165 170 175
 Asn Gln Leu Leu Lys Leu Pro Val Leu Pro Pro Lys Leu Thr Leu Phe
 180 185 190
 Asn Ala Lys Tyr Asn Lys Ser Arg Gly Ile Lys Ala Asn Ala
 195 200 205
 Phe Lys Lys Leu Asn Asn Leu Thr Phe Leu Tyr Leu Asp His Asn Ala
 210 215 220
 Leu Glu Ser Val Pro Leu Asn Leu Pro Glu Ser Leu Arg Val Ile His
 225 230 235 240
 Leu Gln Phe Asn Asn Ile Ala Ser Ile Thr Asp Asp Thr Phe Cys Lys
 245 250 255
 Ala Asn Asp Thr Ser Tyr Ile Arg Asp Arg Ile Glu Glu Ile Arg Leu
 260 265 270
 Glu Gly Asn Pro Ile Val Leu Gly Lys His Pro Asn Ser Phe Ile Cys
 275 280 285
 Leu Lys Arg Leu Pro Ile Gly Ser Tyr Phe
 290 295

<210> 2234
 <211> 158
 <212> PRT
 <213> Homo sapiens

<400> 2234
 Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu
 1 5 10 15
 Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala
 20 25 30
 Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala
 35 40 45
 Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp
 50 55 60
 Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp
 65 70 75 80
 Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly
 85 90 95

Arg Leu Arg Asp Val Ala Ala Ser Tyr Leu Asp Cys Gly Ala Thr Arg
 100 105 110

Ala Cys Gly Pro Leu Leu Cys Ala Thr Leu Pro Val Ser Leu Phe Lys
 115 120 125

Asn Ile Asp Asp Thr Leu Lys Cys Val Asn Val Leu Lys Ser Tyr Ser
 130 135 140

Phe Gln Gln Pro Lys Ala Thr Val Val Leu Ala Arg Arg Ser
 145 150 155

<210> 2235

<211> 58

<212> PRT

<213> Homo sapiens

<400> 2235

Met Thr Lys Ala Leu Ile Pro Thr Pro Phe Phe Leu Ala Ala Met Trp
 1 5 10 15

Pro Leu Trp Gln His Ser Trp Ala Gln Thr Leu Arg Ser Gln Arg Gln
 20 25 30

Glu Ala Asp Ala Trp Ala Lys Ala Gly Ala Gly Asn Ser Arg Gly Ser
 35 40 45

Leu Ala Trp Arg Leu Leu Met Ser Ser Gly
 50 55

<210> 2236.

<211> 71

<212> PRT

<213> Homo sapiens

<400> 2236

Met Leu Val Ala Ala Ile Val Phe Ile Ser Phe Gly Val Val Ala Ala
 1 5 10 15

Phe Cys Cys Ala Ile Val Asp Gly Val Phe Ala Ala Gln His Ile Glu
 20 25 30

Pro Lys Ala Pro His His Gly Lys Met Pro Val Tyr Ser Ser Gly Val
 35 40 45

Gly Tyr Leu Tyr Asp Val Tyr Gln Thr Glu Val Ser Arg Ser Thr Glu
 50 55 60

Ile His Val Gly Leu Leu Asn
 65 70

<210> 2237

<211> 605

<212> PRT

<213> Homo sapiens

<400> 2237

Met	Gly	Arg	Leu	Leu	Arg	Ala	Ala	Arg	Leu	Pro	Pro	Leu	Leu	Ser	Pro
1				5					10					15	
Leu Leu Leu Leu Val Gly Gly Ala Phe Leu Gly Ala Cys Val Ala															
	20				25								30		
Gly Ser Asp Glu Pro Gly Pro Glu Gly Leu Thr Ser Thr Ser Leu Leu															
	35				40								45		
Asp Leu Leu Leu Pro Thr Gly Leu Glu Pro Leu Asp Ser Glu Glu Pro															
	50				55				60						
Ser Glu Thr Met Gly Leu Gly Ala Gly Leu Gly Ala Pro Gly Ser Gly															
	65				70				75				80		
Phe Pro Ser Glu Glu Asn Glu Glu Ser Arg Ile Leu Gln Pro Pro Gln															
	85				90								95		
Tyr Phe Trp Glu Glu Glu Glu Leu Asn Asp Ser Ser Leu Asp Leu															
	100				105								110		
Gly Pro Thr Ala Asp Tyr Val Phe Pro Asp Leu Thr Glu Lys Ala Gly															
	115				120				125						
Ser Ile Glu Asp Thr Ser Gln Ala Gln Glu Leu Pro Asn Leu Pro Ser															
	130				135				140						
Pro Leu Pro Lys Met Asn Leu Val Glu Pro Pro Trp His Met Pro Pro															
	145				150				155				160		
Arg Glu Glu Glu Glu Glu Glu Glu Glu Arg Glu Lys Glu															
	165				170								175		
Glu Val Glu Lys Gln Glu Glu Glu Glu Glu Glu Leu Leu Pro Val															
	180				185				190						
Asn Gly Ser Gln Glu Glu Ala Lys Pro Gln Val Arg Asp Phe Ser Leu															
	195				200				205						
Thr Ser Ser Ser Gln Thr Pro Gly Ala Thr Lys Ser Arg His Glu Asp															
	210				215				220						
Ser Gly Asp Gln Ala Ser Ser Gly Val Glu Val Glu Ser Ser Met Gly															
	225				230				235				240		
Pro Ser Leu Leu Pro Ser Val Thr Pro Thr Thr Val Thr Pro Gly															
	245				250								255		
Asp Gln Asp Ser Thr Ser Gln Glu Ala Glu Ala Thr Val Leu Pro Ala															
	260				265				270						
Ala Gly Leu Gly Val Glu Phe Glu Ala Pro Gln Glu Ala Ser Glu Glu															
	275				280				285						
Ala Thr Ala Gly Ala Ala Gly Leu Ser Gly Gln His Glu Glu Val Pro															
	290				295				300						

Ala Leu Pro Ser Phe Pro Gln Thr Thr Ala Pro Ser Gly Ala Glu His
 305 310* 315 320

Pro Asp Glu Asp Pro Leu Gly Ser Arg Thr Ser Ala Ser Ser Pro Leu
 325 330 335

Ala Pro Gly Asp Met Glu Leu Thr Pro Ser Ser Ala Thr Leu Gly Gln
 340 345 350

Glu Asp Leu Asn Gln Gln Leu Leu Glu Gly Gln Ala Ala Glu Ala Gln
 355 360 365

Ser Arg Ile Pro Trp Asp Ser Thr Gln Val Ile Cys Lys Asp Trp Ser
 370 375 380

Asn Leu Ala Gly Lys Asn Tyr Ile Ile Leu Asn Met Thr Glu Asn Ile
 385 390 395 400

Asp Cys Glu Val Phe Arg Gln His Arg Gly Pro Gln Leu Leu Ala Leu
 405 410 415

Val Glu Glu Val Leu Pro Arg His Gly Ser Gly His His Gly Ala Trp
 420 425 430

His Ile Ser Leu Ser Lys Pro Ser Glu Lys Glu Gln His Leu Leu Met
 435 440 445

Thr Leu Val Gly Glu Gln Gly Val Val Pro Thr Gln Asp Val Leu Ser
 450 455 460

Met Leu Gly Asp Ile Arg Arg Ser Leu Glu Glu Ile Gly Ile Gln Asn
 465 470 475 480

Tyr Ser Thr Thr Ser Ser Cys Gln Ala Arg Ala Ser Gln Val Arg Ser
 485 490 495

Asp Tyr Gly Thr Leu Phe Val Val Leu Val Val Ile Gly Ala Ile Cys
 500 505 510

Ile Ile Ile Ala Leu Gly Leu Leu Tyr Asn Cys Trp Gln Arg Arg
 515 520 525

Leu Pro Lys Leu Lys His Val Ser His Gly Glu Glu Leu Arg Phe Val
 530 535 540

Glu Asn Gly Cys His Asp Asn Pro Thr Leu Asp Val Ala Ser Asp Ser
 545 550 555 560

Gln Ser Glu Met Gln Glu Lys His Pro Ser Leu Asn Gly Gly Ala
 565 570 575

Leu Asn Gly Pro Gly Ser Trp Gly Ala Leu Met Gly Gly Lys Arg Asp
 580 585 590

Pro Glu Asp Ser Asp Val Phe Glu Glu Asp Thr His Leu
 595 600 605

<211> 432

<212> PRT

<213> Homo sapiens

<400> 2238

Met	Asp	Ala	Arg	Trp	Trp	Ala	Val	Val	Val	Leu	Ala	Ala	Phe	Pro	Ser
1					5				10					15	

Leu	Gly	Ala	Gly	Gly	Glu	Thr	Pro	Glu	Ala	Pro	Pro	Glu	Ser	Trp	Thr
					20			25				30			

Gln	Leu	Trp	Phe	Phe	Arg	Phe	Val	Val	Asn	Ala	Ala	Gly	Tyr	Ala	Ser
					35			40				45			

Phe	Met	Val	Pro	Gly	Tyr	Leu	Leu	Val	Gln	Tyr	Phe	Arg	Arg	Lys	Asn
					50			55			60				

Tyr	Leu	Glu	Thr	Gly	Arg	Gly	Leu	Cys	Phe	Pro	Leu	Val	Lys	Ala	Cys
					65			70			75		80		

Val	Phe	Gly	Asn	Glu	Pro	Lys	Ala	Ser	Asp	Glu	Val	Pro	Leu	Ala	Pro
					85				90			95			

Arg	Thr	Glu	Ala	Ala	Glu	Thr	Thr	Pro	Met	Trp	Gln	Ala	Leu	Lys	Leu
					100			105			110				

Leu	Phe	Cys	Ala	Thr	Gly	Leu	Gln	Val	Ser	Tyr	Leu	Thr	Trp	Gly	Val
					115			120			125				

Leu	Gln	Glu	Arg	Val	Met	Thr	Arg	Ser	Tyr	Gly	Ala	Thr	Ala	Thr	Ser
					130			135			140				

Pro	Gly	Glu	Arg	Phe	Thr	Asp	Ser	Gln	Phe	Leu	Val	Leu	Met	Asn	Arg
					145			150			155		160		

Val	Leu	Ala	Leu	Ile	Val	Ala	Gly	Leu	Ser	Cys	Val	Leu	Cys	Lys	Gln
					165				170			175			

Pro	Arg	His	Gly	Ala	Pro	Met	Tyr	Arg	Tyr	Ser	Phe	Ala	Ser	Leu	Ser
					180			185			190				

Asn	Val	Leu	Ser	Ser	Trp	Cys	Gln	Tyr	Glu	Ala	Leu	Lys	Phe	Val	Ser
					195			200			205				

Phe	Pro	Thr	Gln	Val	Leu	Ala	Lys	Ala	Ser	Lys	Val	Ile	Pro	Val	Met
					210			215			220				

Leu	Met	Gly	Lys	Leu	Val	Ser	Arg	Arg	Ser	Tyr	Glu	His	Trp	Glu	Tyr
					225			230			235		240		

Leu	Thr	Ala	Thr	Leu	Ile	Ser	Ile	Gly	Val	Ser	Met	Phe	Leu	Leu	Ser
					245			250			255				

Ser	Gly	Pro	Glu	Pro	Arg	Ser	Ser	Pro	Ala	Thr	Thr	Leu	Ser	Gly	Leu
					260			265			270				

Ile	Leu	Leu	Ala	Gly	Tyr	Ile	Ala	Phe	Asp	Ser	Phe	Thr	Ser	Asn	Trp
					275			280			285				

Gln	Asp	Ala	Leu	Phe	Ala	Tyr	Lys	Met	Ser	Ser	Val	Gln	Met	Met	Phe
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

290	295	300
Gly Val Asn Phe Phe Ser Cys Leu Phe Thr Val Gly Ser Leu Leu Glu		
305	310	315
320		
Gln Gly Ala Leu Leu Glu Gly Thr Arg Phe Met Gly Arg His Ser Glu		
325	330	335
Phe Ala Ala His Ala Leu Leu Ser Ile Cys Ser Ala Cys Gly Gln		
340	345	350
Leu Phe Ile Phe Tyr Thr Ile Gly Gln Phe Gly Ala Ala Val Phe Thr		
355	360	365
Ile Ile Met Thr Leu Arg Gln Ala Phe Ala Ile Leu Leu Ser Cys Leu		
370	375	380
Leu Tyr Gly His Thr Val Thr Val Val Gly Gly Leu Gly Val Ala Val		
385	390	395
400		
Val Phe Ala Ala Leu Leu Leu Arg Val Tyr Ala Arg Gly Arg Leu Lys		
405	410	415
Gln Arg Gly Lys Lys Ala Val Pro Val Glu Ser Pro Val Gln Lys Val		
420	425	430

<210> 2239

<211> 432

<212> PRT

<213> Homo sapiens

<400> 2239

Met Asp Ala Arg Trp Trp Ala Val Val Val Leu Ala Ala Phe Pro Ser		
1	5	10
		15

Leu Gly Ala Gly Gly Glu Thr Pro Glu Ala Pro Pro Glu Ser Trp Thr		
20	25	30

Gln Leu Trp Phe Phe Arg Phe Val Val Asn Ala Ala Gly Tyr Ala Ser		
35	40	45

Phe Met Val Pro Gly Tyr Leu Leu Val Gln Tyr Phe Arg Arg Lys Asn		
50	55	60

Tyr Leu Glu Thr Gly Arg Gly Leu Cys Phe Pro Leu Val Lys Ala Cys		
65	70	75
80		

Val Phe Gly Asn Glu Pro Lys Ala Ser Asp Glu Val Pro Leu Ala Pro		
85	90	95

Arg Thr Glu Ala Ala Glu Thr Thr Pro Met Trp Gln Ala Leu Lys Leu		
100	105	110

Leu Phe Cys Ala Thr Gly Leu Gln Val Ser Tyr Leu Thr Trp Gly Val		
115	120	125

Leu Gln Glu Arg Val Met Thr Arg Ser Tyr Gly Ala Thr Ala Thr Ser
 130 135 140
 Pro Gly Glu Arg Phe Thr Asp Ser Gln Phe Leu Val Leu Met Asn Arg
 145 150 155 160
 Val Leu Ala Leu Ile Val Ala Gly Leu Ser Cys Val Leu Cys Lys Gln
 165 170 175
 Pro Arg His Gly Ala Pro Met Tyr Arg Tyr Ser Phe Ala Ser Leu Ser
 180 185 190
 Asn Val Leu Ser Ser Trp Cys Gln Tyr Glu Ala Leu Lys Phe Val Ser
 195 200 205
 Phe Pro Thr Gln Val Leu Ala Ser Lys Val Ile Pro Val Met
 210 215 220
 Leu Met Gly Lys Leu Val Ser Arg Arg Ser Tyr Glu His Trp Glu Tyr
 225 230 235 240
 Leu Thr Ala Thr Leu Ile Ser Ile Gly Val Ser Met Phe Leu Leu Ser
 245 250 255
 Ser Gly Pro Glu Pro Arg Ser Ser Pro Ala Thr Thr Leu Ser Gly Leu
 260 265 270
 Ile Leu Leu Ala Gly Tyr Ile Ala Phe Asp Ser Phe Thr Ser Asn Trp
 275 280 285
 Gln Asp Ala Leu Phe Ala Tyr Lys Met Ser Ser Val Gln Met Met Phe
 290 295 300
 Gly Val Asn Phe Phe Ser Cys Leu Phe Thr Val Gly Ser Leu Leu Glu
 305 310 315 320
 Gln Gly Ala Leu Leu Glu Gly Thr Arg Phe Met Gly Arg His Ser Glu
 325 330 335
 Phe Ala Ala His Ala Leu Leu Ser Ile Cys Ser Ala Cys Gly Gln
 340 345 350
 Leu Phe Ile Phe Tyr Thr Ile Gly Gln Phe Gly Ala Ala Val Phe Thr
 355 360 365
 Ile Ile Met Thr Leu Arg Gln Ala Phe Ala Ile Leu Leu Ser Cys Leu
 370 375 380
 Leu Tyr Gly His Thr Val Thr Val Val Gly Gly Leu Gly Val Ala Val
 385 390 395 400
 Val Phe Ala Ala Leu Leu Leu Arg Val Tyr Ala Arg Gly Arg Leu Lys
 405 410 415
 Gln Arg Gly Lys Lys Ala Val Pro Val Glu Ser Pro Val Gln Lys Val
 420 425 430

<210> 2240

<211> 69

<212> PRT

<213> Homo sapiens

<400> 2240

Met Lys Ala Val Val	Leu Leu Lys Ala Phe Ser	Phe Ser Leu Cys Ser	
1	5	10	15

Ala Ile Ser Pro Val Thr Pro Gly	Phe Arg Gln Thr Ile Asn Val Leu	
20	25	30

Asp Thr Val Ala Phe Ser Ala Phe Phe	Ile Tyr Leu Phe Thr Val Thr	
35	40	45

Ala Ser Ile Asn Phe Tyr Ala Tyr Phe Ser Ser	Phe Leu Ala Gly Ala	
50	55	60

Pro Phe Ile Lys Ile

65

<210> 2241

<211> 57

<212> PRT

<213> Homo sapiens

<400> 2241

Met Leu Asp Leu Ser Pro Ser Leu Thr Leu Lys Phe Cys Phe Leu His			
1	5	10	15

Leu Val Phe Leu Pro Phe Lys Val Tyr Cys Gln Leu Leu Gln Glu Leu		
20	25	30

Leu Ser Lys Pro Val Ser Lys Leu Pro Leu Thr Pro Gln Cys Gln Ser		
35	40	45

Trp Ala Arg Pro Leu Gly Asp Leu Glu

50	55
----	----

<210> 2242

<211> 145

<212> PRT

<213> Homo sapiens

<400> 2242

Met Leu Arg Thr Leu Val Leu Lys Gln Thr Leu Asp Leu Leu Pro			
1	5	10	15

Leu Leu Glu Ala Leu Leu Val Leu Gly Val Pro Gln His Leu Glu Leu		
20	25	30

Gln Pro Leu Pro Val Gln Val Ser Leu Leu Leu Gln Leu Leu Asp		
35	40	45

Leu Gly Ser Leu Lys Ser His Arg Leu His His Phe His Ser Lys Ala
 50 55 60

Leu Gln Leu Pro Val Leu Asp His Leu Asp Phe Gln Asp Phe Gln Leu
 65 70 75 80

Pro Trp Gln Gln Val Leu Ser Glu Leu Pro Val Ala Pro Ala Phe Gly
 85 90 95

Gly Gly Ser Ser Val Ala Gly Phe Gly Ser Pro Gly Leu Thr Phe Ser
 100 105 110

His Trp Leu Phe Leu Ser His Pro Val Asp Thr Phe Gly Asn Ser Gln
 115 120 125

Ala Tyr Pro Thr Ser Leu Ser Ala Leu Gln Ala Ser Ile Asn Cys Asn
 130 135 140

Arg
 145

<210> 2243

<211> 77

<212> PRT

<213> Homo sapiens

<400> 2243

Met Ala Ile Cys Gln Phe Phe Leu Gln Gly Arg Cys Arg Phe Gly Asp
 1 5 10 15

Arg Cys Trp Asn Glu His Pro Gly Ala Arg Gly Ala Gly Gly Arg
 20 25 30

Gln Gln Pro Gln Gln Gln Pro Ser Gly Asn Asn Arg Arg Gly Trp Asn
 35 40 45

Thr Thr Ser Gln Arg Tyr Ser Asn Val Ile Gln Pro Ser Ser Phe Ser
 50 55 60

Lys Ser Thr Pro Trp Gly Gly Ser Arg Asp Gln Glu Thr
 65 70 75

<210> 2244

<211> 86

<212> PRT

<213> Homo sapiens

<400> 2244

Met Tyr Lys Leu Glu Leu Ile Phe Pro Thr Ala Leu Val Leu Pro Ile
 1 5 10 15

Leu Val Asn Gly Thr Val Ile Cys Pro Leu Lys Ala Arg Asn Ser Val
 20 25 30

Ile Pro Ser Ser Ser Phe Leu Thr Ser Leu Gln Leu Thr Ile Trp Ile

35

40

45

Gln Pro Cys Leu Phe Leu Pro Thr Thr Thr Gly Leu Ser Ser Gly Tyr
 50 55 60

His Thr Phe Leu Ser Gly Leu His Ser Cys His Ile Ser Phe Ala Thr
 65 70 75 80

Ala Ile Pro Gly Cys Leu
 85

<210> 2245

<211> 208

<212> PRT

<213> Homo sapiens

<400> 2245

Met Gly Leu Gly Ala Arg Gly Ala Trp Ala Ala Leu Leu Leu Gly Thr
 1 5 10 15

Leu Gln Val Leu Ala Leu Leu Gly Ala Ala His Glu Ser Ala Ala Met
 20 25 30

Ala Ala Ser Ala Asn Ile Glu Asn Ser Gly Leu Pro His Asn Ser Ser
 35 40 45

Ala Asn Ser Thr Glu Thr Leu Gln His Val Pro Ser Asp His Thr Asn
 50 55 60

Glu Thr Ser Asn Ser Thr Val Lys Pro Pro Thr Ser Val Ala Ser Asp
 65 70 75 80

Ser Ser Asn Thr Thr Val Thr Thr Met Lys Pro Thr Ala Ala Ser Asn
 85 90 95

Thr Thr Thr Pro Gly Met Val Ser Thr Asn Met Thr Ser Thr Thr Leu
 100 105 110

Lys Ser Thr Pro Lys Thr Thr Ser Val Ser Gln Asn Thr Ser Gln Ile
 115 120 125

Ser Thr Ser Thr Met Thr Val Thr His Asn Ser Ser Val Thr Ser Ala
 130 135 140

Ala Ser Ser Val Thr Ile Thr Thr Met His Ser Glu Ala Lys Lys
 145 150 155 160

Gly Ser Lys Phe Asp Thr Gly Ser Phe Val Gly Gly Ile Val Leu Thr
 165 170 175

Leu Gly Val Leu Ser Ile Leu Tyr Ile Gly Cys Lys Met Tyr Tyr Ser
 180 185 190

Arg Arg Gly Ile Arg Tyr Arg Thr Ile Asp Glu His Asp Ala Ile Ile
 195 200 205

<210> 2246

<211> 215

<212> PRT

<213> Homo sapiens

<400> 2246

Met	Arg	Leu	Pro	Ala	Trp	Cys	Arg	His	Thr	Thr	Leu	Ala	Ile	Ser	Cys
1															

5

10

15

Trp	His	Cys	Leu	Val	Leu	Ala	Arg	Ala	Ser	Ala	Asp	Ser	Ala	Ser	Leu

20

25

30

Pro	Thr	Ile	Ser	His	Leu	Gly	Val	Lys	Pro	Leu	Ser	Val	Gly	Trp	Gly

35

40

45

Ala	Pro	Ser	Thr	Leu	Pro	Val	Ser	Pro	Cys	Gly	Gly	Lys	Pro	Ala	Ala

50

55

60

Pro	Thr	Ser	Ala	Ser	Pro	Ala	Ala	Ala	Pro	Leu	Arg	Phe	Trp	Arg	Pro

65

70

75

80

Gly	Ala	Ser	Gly	Gly	Gly	Ala	Gly	Gly	Thr	Arg	Arg	Leu	Ala	Leu	Cys

85

90

95

Arg	Leu	Val	Thr	Ala	Arg	Thr	Thr	Leu	Ala	Thr	Gly	Thr	Pro	Gly	Leu

100

105

110

Ser	Ala	Arg	Pro	Arg	Gln	Arg	Pro	Cys	Leu	Leu	Pro	Val	Leu	Pro	Arg

115

120

125

Arg	Pro	Ala	Glu	Leu	Ser	Val	Ser	Leu	Glu	Pro	Ser	Pro	Gly	Ser	Ser

130

135

140

Gly	Arg	Gly	Phe	Leu	Cys	Leu	Pro	Phe	Cys	Lys	Arg	Asp	Ala	Asp	Thr

145

150

155

160

Ser	Leu	Gly	Gln	Thr	Leu	Thr	Ser	Ser	Cys	Ser	Leu	Ser	Ser	Ile	Leu

165

170

175

Val	Gly	Gly	Thr	Leu	Arg	Pro	Arg	Cys	Ser	Cys	Pro	Pro	Phe	Thr	Gln

180

185

190

Arg	Ser	Ala	Phe	His	Leu	Arg	Thr	Pro	His	Asn	Gln	Tyr	His	His	Gly

195

200

205

Ser	Thr	Ser	Leu	Ala	Ser	His									

210

215

<210> 2247

<211> 139

<212> PRT

<213> Homo sapiens

<400> 2247

Met	Lys	Thr	Leu	Leu	Leu	Leu	Val	Gly	Leu	Leu	Leu	Thr	Trp	Glu	Asn

1	5	10	15
Gly Arg Val Leu Gly Asp Gln Met Val Ser Asp Thr Glu Leu Gln Glu			
20		25	30
Met Ser Thr Glu Gly Ser Lys Tyr Ile Asn Arg Glu Ile Lys Asn Ala			
35		40	45
Leu Lys Gly Val Lys Gln Ile Lys Thr Leu Ile Glu Gln Thr Asn Glu			
50		55	60
Glu Arg Lys Ser Leu Leu Thr Asn Leu Glu Glu Ala Lys Lys Lys			
65		70	75
Glu Asp Ala Leu Asn Asp Thr Lys Asp Ser Glu Met Lys Leu Lys Ala			
85		90	95
Ser Gln Gly Val Cys Asn Asp Thr Met Met Ala Leu Trp Glu Glu Cys			
100		105	110
Lys Pro Cys Leu Lys Gln Thr Trp Gly Lys Gly Leu Arg Pro Ser Leu			
115		120	125
Gln Lys Gln His Arg Ala Gly Trp Pro Pro Gly			
130		135	

<210> 2248
<211> 363
<212> PRT
<213> Homo sapiens

<400> 2248			
Met Lys Thr Leu Leu Leu Val Gly Leu Leu Leu Thr Trp Glu Asn			
1	5	10	15
Gly Arg Val Leu Gly Asp Gln Met Val Ser Asp Thr Glu Leu Gln Glu			
20		25	30
Met Ser Thr Glu Gly Ser Lys Tyr Ile Asn Arg Glu Ile Lys Asn Ala			
35		40	45
Leu Lys Gly Val Lys Gln Ile Lys Thr Leu Ile Glu Gln Thr Asn Glu			
50		55	60
Glu Arg Lys Ser Leu Leu Thr Asn Leu Glu Glu Ala Lys Lys Lys			
65		70	75
Glu Asp Ala Leu Asn Asp Thr Lys Asp Ser Glu Met Lys Leu Lys Ala			
85		90	95
Ser Gln Gly Val Cys Asn Asp Thr Met Met Ala Leu Trp Glu Glu Cys			
100		105	110
Lys Pro Cys Leu Lys Gln Thr Cys Met Lys Phe Tyr Ala Arg Val Cys			
115		120	125
Arg Ser Ser Thr Gly Leu Val Gly His Gln Val Glu Glu Phe Leu Asn			
130		135	140

Gln Ser Ser Pro Phe Tyr Phe Trp Ile Asn Gly Asp Arg Ile Asp Ser
 145 150 155 160
 Leu Leu Glu Asn Asp Arg Gln Gln Thr His Ala Leu Asp Val Met Gln
 165 170 175
 Asp Ser Phe Asp Arg Ala Ser Ser Ile Met Asp Glu Leu Phe Gln Asp
 180 185 190
 Arg Phe Phe Thr Arg Glu Ala Gln Asp Pro Phe His Phe Ser Pro Phe
 195 200 205
 Ser Ser Phe Gln Arg Arg Pro Phe Phe Asn Ile Lys His Arg Phe
 210 215 220
 Ala Arg Asn Ile Met Pro Phe Pro Gly Tyr Gln Pro Leu Asn Phe His
 225 230 235 240
 Asp Met Phe Gln Pro Phe Phe Asp Met Ile His Gln Ala Gln Ala
 245 250 255
 Met Asp Val Asn Leu His Arg Leu Pro His Phe Pro Met Glu Phe Thr
 260 265 270
 Glu Glu Asp Asn Gln Asp Gly Ala Val Cys Lys Glu Ile Arg His Asn
 275 280 285
 Ser Thr Gly-Cys Leu Lys Met Lys Asp Gln Cys Glu Lys Cys Arg Glu
 290 295 300
 Ile Leu Ser Val Asp Cys Ser Ser Asn Asn Pro Ala Gln Val Gln Leu
 305 310 315 320
 Arg Gln Glu Leu Asn Asn Ser Leu Gln Ile Ala Glu Lys Phe Thr Lys
 325 330 335
 Leu Val Arg Arg Ala Ala Ala Val Leu Pro Gly Glu Asp Val Gln His
 340 345 350
 Val Leu Pro Ala Glu Ala Ala Gly Arg Ala Val
 355 360

<210> 2249
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 2249
 Met Ala Ala Gly Gly Cys Leu Leu Leu Ala Phe Phe Pro Leu Ser
 1 5 10 15
 Arg Gly Ser His Phe His Leu Gln Lys Arg Ala Leu Ala Glu Ala Ser
 20 25 30
 Phe Glu Ala Thr Leu Cys Glu Leu Phe Val Ile Glu Thr Ala Ser Lys
 35 40 45

Gly Thr Leu Leu Ile Ile Thr Ile Arg His Leu Val Thr Tyr Ile Ile
 50 55 60
 Val Ile Phe Lys Cys His Met Leu Lys Asn Glu Met Asn Ser Ser Ile
 65 70 75 80
 Lys Pro His Phe Gln
 85

<210> 2250

<211> 184

<212> PRT

<213> Homo sapiens

<400> 2250
 Met Lys Ala Leu Gly Ala Val Leu Leu Ala Leu Leu Cys Gly Arg
 1 5 10 15

Pro Gly Arg Gly Gln Thr Gln Gln Glu Glu Glu Glu Asp Glu Asp
 20 25 30

His Gly Pro Asp Asp Tyr Asp Glu Glu Asp Glu Asp Glu Val Glu Glu
 35 40 45

Glu Glu Thr Asn Arg Leu Pro Gly Gly Arg Ser Arg Val Leu Leu Arg
 50 55 60

Cys Tyr Thr Cys Lys Ser Leu Pro Arg Asp Glu Arg Cys Asn Leu Thr
 65 70 75 80

Gln Asn Cys Ser His Gly Gln Thr Cys Thr Thr Leu Ile Ala His Gly
 85 90 95

Asn Thr Glu Ser Gly Leu Leu Thr Thr His Ser Thr Trp Cys Thr Asp
 100 105 110

Ser Cys Gln Pro Ile Thr Lys Thr Val Glu Gly Thr Gln Val Thr Met
 115 120 125

Thr Cys Cys Gln Ser Ser Leu Cys Asn Val Pro Pro Trp Gln Ser Ser
 130 135 140

Arg Val Gln Asp Pro Thr Gly Lys Gly Ala Gly Gly Pro Arg Gly Ser
 145 150 155 160

Ser Glu Thr Val Gly Ala Ala Leu Leu Leu Asn Leu Leu Ala Gly Leu
 165 170 175

Gly Ala Met Gly Ala Arg Arg Pro
 180

<210> 2251

<211> 352

<212> PRT

<213> Homo sapiens

<400> 2251

Met	Val	Glu	Ala	Leu	Arg	Ala	Gly	Ser	Ala	Arg	Leu	Val	Ala	Ala	Pro
1				5					10						15
Val Ala Thr Ala Asn Pro Ala Arg Cys Leu Ala Leu Asn Val Ser Leu															
	20				25					30					
Arg Glu Trp Thr Ala Arg Tyr Gly Ala Ala Pro Ala Ala Pro Arg Cys															
	35				40					45					
Asp Ala Leu Asp Gly Asp Ala Val Val Leu Leu Arg Ala Arg Asp Leu															
	50				55				60						
Phe Asn Leu Ser Ala Pro Leu Ala Arg Pro Val Gly Thr Ser Leu Phe															
	65				70				75			80			
Leu Gln Thr Ala Leu Arg Gly Trp Ala Val Gln Leu Leu Asp Leu Thr															
	85				90				95						
Phe Ala Ala Ala Arg Gln Pro Pro Leu Ala Thr Ala His Ala Arg Trp															
	100				105				110						
Lys Ala Glu Arg Glu Gly Arg Ala Arg Arg Ala Ala Leu Leu Arg Ala															
	115				120				125						
Leu Gly Ile Arg Leu Val Ser Trp Glu Gly Gly Arg Leu Glu Trp Phe															
	130				135				140						
Gly Cys Asn Lys Glu Thr Thr Arg Cys Phe Gly Thr Val Val Gly Asp															
	145				150				155			160			
Thr Pro Ala Tyr Leu Tyr Glu Glu Arg Trp Thr Pro Pro Cys Cys Leu															
	165				170				175						
Arg Ala Leu Arg Glu Thr Ala Arg Tyr Val Val Gly Val Leu Glu Ala															
	180				185				190						
Ala Gly Val Arg Tyr Trp Leu Glu Gly Gly Ser Leu Leu Gly Ala Ala															
	195				200				205						
Arg His Gly Asp Ile Ile Pro Trp Asp Tyr Asp Val Asp Leu Gly Ile															
	210				215				220						
Tyr Leu Glu Asp Val Gly Asn Cys Glu Gln Leu Arg Gly Ala Glu Ala															
	225				230				235			240			
Gly Ser Val Val Asp Glu Arg Gly Phe Val Trp Glu Lys Ala Val Glu															
	245				250				255						
Gly Asp Phe Phe Arg Val Gln Tyr Ser Glu Ser Asn His Leu His Val															
	260				265				270						
Asp Leu Trp Pro Phe Tyr Pro Arg Asn Gly Val Met Thr Lys Asp Thr															
	275				280				285						
Trp Leu Asp His Arg Gln Asp Val Glu Phe Pro Glu His Phe Leu Gln															
	290				295				300						
Pro Leu Val Pro Leu Pro Phe Ala Gly Phe Val Ala Gln Ala Pro Asn															
	305				310				315			320			

Asn Tyr Arg Arg Phe Leu Glu Leu Lys Phe Gly Pro Gly Val Ile Glu
 325 330 335

Asn Pro Gln Tyr Pro Asn Pro Ala Leu Leu Ser Leu Thr Gly Ser Gly
 340 345 350

<210> 2252

<211> 448

<212> PRT

<213> Homo sapiens

<400> 2252

Met Ala Trp Ala Ser Arg Leu Gly Leu Leu Leu Ala Leu Leu Pro
 1 5 10 15

Val Val Gly Ala Ser Thr Pro Gly Thr Val Val Arg Leu Asn Lys Ala
 20 25 30

Ala Leu Ser Tyr Val Ser Glu Ile Gly Lys Ala Pro Leu Gln Arg Ala
 35 40 45

Leu Gln Val Thr Val Pro His Phe Leu Asp Trp Ser Gly Glu Ala Leu
 50 55 60

Gln Pro Thr Arg Ile Arg Ile Leu Asn Val His Val Pro Arg Leu His
 65 70 75 80

Leu Lys Phe Ile Ala Gly Phe Gly Val Arg Leu Leu Ala Ala Asn
 85 90 95

Phe Thr Phe Lys Val Phe Arg Ala Pro Glu Pro Leu Glu Leu Thr Leu
 100 105 110

Pro Val Glu Leu Leu Ala Asp Thr Arg Val Thr Gln Ser Ser Ile Arg
 115 120 125

Thr Pro Val Val Ser Ile Ser Ala Cys Ser Leu Phe Ser Gly His Ala
 130 135 140

Asn Glu Phe Asp Gly Ser Asn Ser Thr Ser His Ala Leu Leu Val Leu
 145 150 155 160

Val Gln Lys His Ile Lys Ala Val Leu Ser Asn Lys Leu Cys Leu Ser
 165 170 175

Ile Ser Asn Leu Val Gln Gly Val Asn Val His Leu Gly Thr Leu Ile
 180 185 190

Gly Leu Asn Pro Val Gly Pro Glu Ser Gln Ile Arg Tyr Ser Met Val
 195 200 205

Ser Val Pro Thr Val Thr Ser Asp Tyr Ile Ser Leu Glu Val Asn Ala
 210 215 220

Val Leu Phe Leu Leu Gly Lys Pro Ile Ile Leu Pro Thr Asp Ala Thr
 225 230 235 240

Pro Phe Val Leu Pro Arg His Val Gly Thr Glu Gly Ser Met Ala Thr
 245 250 255

Val Gly Leu Ser Gln Gln Leu Phe Asp Ser Ala Leu Leu Leu Gln
 260 265 270

Lys Ala Gly Ala Leu Asn Leu Asp Ile Thr Gly Gln Leu Arg Ser Asp
 275 280 285

Asp Asn Leu Leu Asn Thr Ser Ala Leu Gly Arg Leu Ile Pro Glu Val
 290 295 300

Ala Arg Gln Phe Pro Glu Pro Met Pro Val Val Leu Lys Val Arg Leu
 305 310 315 320

Gly Ala Thr Pro Val Ala Met Leu His Thr Asn Asn Ala Thr Leu Arg
 325 330 335

Leu Gln Pro Phe Val Glu Val Leu Ala Thr Ala Ser Asn Ser Ala Phe
 340 345 350

Gln Ser Leu Phe Ser Leu Asp Val Val Asn Leu Arg Leu Gln Leu
 355 360 365

Ser Val Ser Lys Val Lys Leu Gln Gly Thr Thr Ser Val Leu Gly Asp
 370 375 380

Val Gln Leu Thr Val Ala Ser Ser Asn Val Gly Phe Ile Asp Thr Asp
 385 390 395 400

Gln Val Arg Thr Leu Met Gly Thr Val Phe Glu Lys Pro Leu Leu Asp
 405 410 415

His Leu Asn Ala Leu Leu Ala Met Gly Ile Ala Leu Pro Gly Val Val
 420 425 430

Asn Leu His Tyr Val Pro Leu Arg Ser Leu Ser Met Arg Ala Thr Trp
 435 440 445

<210> 2253

<211> 183

<212> PRT

<213> Homo sapiens

<400> 2253

Met Glu Pro Glu Glu Gly Thr Pro Leu Trp Arg Leu Gln Lys Leu Pro
 1 5 10 15Ala Glu Leu Gly Pro Gln Leu Leu His Lys Ile Ile Asp Gly Ile Cys
 20 25 30

Gly Arg Ala Tyr Pro Val Tyr Gln Asp Tyr His Thr Val Trp Glu Ser

35

40

45

Glu	Glu	Trp	Met	His	Val	Leu	Glu	Asp	Ile	Ala	Lys	Phe	Phe	Lys	Ala
50						55					60				
Ile	Val	Gly	Lys	Asn	Leu	Pro	Asp	Glu	Glu	Ile	Phe	Gln	Gln	Leu	Asn
65						70				75				80	
Gln	Leu	Asn	Ser	Leu	His	Gln	Glu	Thr	Ile	Met	Lys	Cys	Val	Lys	Ser
					85				90				95		
Arg	Lys	Asp	Glu	Ile	Lys	Gln	Ala	Leu	Ser	Arg	Glu	Ile	Val	Ala	Ile
				100				105				110			
Ser	Ser	Ala	Gln	Leu	Gln	Asp	Phe	Asp	Trp	Gln	Val	Lys	Leu	Ala	Leu
				115				120			125				
Ser	Ser	Asp	Lys	Ile	Ala	Ala	Leu	Arg	Met	Pro	Leu	Leu	Ser	Leu	His
				130				135			140				
Leu	Asp	Val	Lys	Glu	Asn	Gly	Glu	Val	Lys	Pro	Tyr	Ser	Ile	Glu	Met
				145				150			155			160	
Ser	Arg	Glu	Glu	Leu	Gln	Asn	Leu	Ile	Gln	Ser	Leu	Glu	Ala	Ala	Asn
				165				170			175				
Lys	Val	Val	Leu	Gln	Leu	Lys									
				180											

<210> 2254

<211> 121

<212> PRT

<213> Homo sapiens

<400> 2254

Met	Pro	Cys	Gly	Arg	Gln	His	Leu	Gln	Asn	Leu	Asp	Asp	Ala	Val	Asn
1							5			10				15	

Gly	Ser	Ala	Trp	Thr	Ile	Leu	Leu	Leu	Thr	Glu	Asn	Phe	Leu	Arg	Asp
						20			25				30		

Thr	Trp	Cys	Asn	Phe	Gln	Phe	Tyr	Thr	Ser	Leu	Met	Asn	Ser	Val	Asn
							35		40			45			

Arg	Gln	His	Lys	Tyr	Asn	Ser	Val	Ile	Pro	Met	Arg	Pro	Leu	Asn	Asn
							50		55			60			

Pro	Leu	Pro	Arg	Glu	Arg	Thr	Pro	Phe	Ala	Leu	Gln	Thr	Ile	Asn	Ala
							65		70			75		80	

Leu	Glu	Glu	Ser	Arg	Gly	Phe	Pro	Thr	Gln	Val	Glu	Arg	Ile	Phe
							85		90			95		

Gln	Glu	Ser	Val	Tyr	Lys	Thr	Gln	Gln	Thr	Ile	Trp	Lys	Glu	Thr	Arg
							100		105			110			

Asn	Met	Val	Gln	Arg	Gln	Phe	Ile	Ala							
							115		120						

<210> 2255

<211> 251

<212> PRT

<213> Homo sapiens

<400> 2255

Met Leu Phe His Tyr Asp Trp Ile Ser Ile Pro Leu Val Tyr Thr Gln
1 5 10 15

Val Val Thr Ile Ala Val Tyr Ser Phe Phe Ala Leu Ser Leu Val Gly
20 25 30

Arg Gln Phe Val Glu Pro Glu Ala Gly Ala Ala Lys Pro Gln Lys Leu
35 40 45

Leu Lys Pro Gly Gln Glu Pro Ala Pro Ala Leu Gly Asp Pro Asp Met
50 55 60

Tyr Val Pro Leu Thr Thr Leu Leu Gln Phe Phe Tyr Ala Gly Trp
65 70 75 80

Leu Lys Val Ala Glu Gln Ile Ile Asn Pro Phe Gly Glu Asp Asp Asp
85 90 95

Asp Phe Glu Thr Asn Gln Leu Ile Asp Arg Asn Leu Gln Val Ser Leu
100 105 110

Leu Ser Val Asp Glu Met Tyr Gln Asn Leu Pro Pro Ala Glu Lys Asp
115 120 125

Gln Tyr Trp Asp Glu Asp Gln Pro Gln Pro Pro Tyr Thr Val Ala Thr
130 135 140

Ala Ala Glu Ser Leu Arg Pro Ser Phe Leu Gly Ser Thr Phe Asn Leu
145 150 155 160

Arg Met Ser Asp Asp Pro Glu Gln Ser Leu Gln Val Glu Ala Ser Pro
165 170 175

Gly Ser Gly Arg Pro Ala Pro Ala Ala Gln Thr Pro Leu Leu Gly Arg
180 185 190

Phe Leu Gly Val Gly Ala Pro Ser Pro Ala Ile Ser Leu Arg Asn Phe
195 200 205

Gly Arg Val Arg Gly Thr Pro Arg Pro Pro His Leu Leu Arg Phe Arg
210 215 220

Ala Glu Glu Gly Asp Pro Glu Ala Ala Ala Arg Ile Glu Glu Glu
225 230 235 240

Ser Ala Glu Ser Gly Asp Glu Ala Leu Glu Pro
245 250

<210> 2256

<211> 125

<212> PRT

<213> Homo sapiens

<400> 2256

Met	Arg	Pro	Gly	Lys	Lys	Val	Leu	Val	Met	Gly	Ile	Val	Asp	Leu	Asn
1									10					15	

Pro	Glu	Ser	Phe	Ala	Ile	Ser	Leu	Thr	Cys	Gly	Asp	Ser	Glu	Asp	Pro
								25					30		

Pro	Ala	Asp	Val	Ala	Ile	Glu	Leu	Lys	Ala	Val	Phe	Thr	Asp	Arg	Gln
								35				45			

Leu	Leu	Arg	Asn	Ser	Cys	Ile	Ser	Gly	Glu	Arg	Gly	Glu	Gln	Ser
								50			60			

Ala	Ile	Pro	Tyr	Phe	Pro	Phe	Ile	Pro	Asp	Gln	Pro	Phe	Arg	Val	Glu
								65			75		80		

Ile	Leu	Cys	Glu	His	Pro	Arg	Phe	Arg	Val	Phe	Val	Asp	Gly	His	Gln
								85			90		95		

Leu	Phe	Asp	Phe	Tyr	His	Arg	Ile	Gln	Thr	Leu	Ser	Ala	Ile	Asp	Thr
								100			105		110		

Ile	Lys	Ile	Asn	Gly	Asp	Leu	Gln	Ile	Thr	Lys	Leu	Gly		
								115			120		125	

<210> 2257

<211> 170

<212> PRT

<213> Homo sapiens

<400> 2257

Met	Ile	Ser	Ile	His	Asn	Glu	Glu	Asn	Ala	Phe	Ile	Leu	Asp	Thr
1								5			10		15	

Leu	Lys	Lys	Gln	Trp	Lys	Gly	Pro	Asp	Asp	Ile	Leu	Leu	Gly	Met	Phe
								20			25		30		

Tyr	Asp	Thr	Asp	Asp	Ala	Ser	Phe	Lys	Trp	Phe	Asp	Asn	Ser	Asn	Met
								35			40		45		

Thr	Phe	Asp	Lys	Trp	Thr	Asp	Gln	Asp	Asp	Glu	Asp	Leu	Val	Asp
							50			55		60		

Thr	Cys	Ala	Phe	Leu	His	Ile	Lys	Thr	Gly	Glu	Trp	Lys	Lys	Gly	Asn
							65			70		75		80	

Cys	Glu	Val	Ser	Ser	Val	Glu	Gly	Thr	Leu	Cys	Lys	Thr	Ala	Ile	Pro
							85			90		95			

Tyr	Lys	Arg	Lys	Tyr	Leu	Ser	Asp	Asn	His	Ile	Leu	Ile	Ser	Ala	Leu
								100			105		110		

Val	Ile	Ala	Ser	Thr	Val	Ile	Leu	Thr	Val	Leu	Gly	Ala	Ile	Ile	Trp
								115			120		125		

Phe Leu Tyr Lys Lys His Ser Asp Ser Arg Phe Thr Thr Val Phe Ser
 130 135 140

Thr Ala Pro Gln Ser Pro Tyr Asn Glu Asp Cys Val Leu Val Val Gly
 145 150 155 160

Glu Glu Asn Glu Tyr Pro Val Gln Phe Asp
 165 170

<210> 2258

<211> 595

<212> PRT

<213> Homo sapiens

<400> 2258

Met Leu Leu Leu Leu Leu Leu Pro Pro Leu Leu Cys Gly Arg Val
 1 5 10 15

Gly Ala Lys Glu Gln Lys Asp Tyr Leu Leu Thr Met Gln Lys Ser Val
 20 25 30

Thr Val Gln Glu Gly Leu Cys Val Ser Val Leu Cys Ser Phe Ser Tyr
 35 40 45

Pro Gln Asn Gly Trp Thr Ala Ser Asp Pro Val His Gly Tyr Trp Phe
 50 55 60

Arg Ala Gly Asp His Val Ser Arg Asn Ile Pro Val Ala Thr Asn Asn
 65 70 75 80

Pro Ala Arg Ala Val Gln Glu Glu Thr Arg Asp Arg Phe His Leu Leu
 85 90 95

Gly Asp Pro Gln Asn Lys Asp Cys Thr Leu Ser Ile Arg Asp Thr Arg
 100 105 110

Glu Ser Asp Ala Gly Thr Tyr Val Phe Cys Val Glu Arg Gly Asn Met
 115 120 125

Lys Trp Asn Tyr Lys Tyr Asp Gln Leu Ser Val Asn Val Thr Ala Ser
 130 135 140

Gln Asp Leu Leu Ser Arg Tyr Arg Leu Glu Val Pro Glu Ser Val Thr
 145 150 155 160

Val Gln Glu Gly Leu Cys Val Ser Val Pro Cys Ser Val Leu Tyr Pro
 165 170 175

His Tyr Asn Trp Thr Ala Ser Ser Pro Val Tyr Gly Ser Trp Phe Lys
 180 185 190

Glu Gly Ala Asp Ile Pro Trp Asp Ile Pro Val Ala Thr Asn Thr Pro
 195 200 205

Ser Gly Lys Val Gln Glu Asp Thr His Gly Arg Phe Leu Leu Leu Gly
 210 215 220

Asp Pro Gln Thr Asn Asn Cys Ser Leu Ser Ile Arg Asp Ala Arg Lys
 225 230 235 240

Gly Asp Ser Gly Lys Tyr Tyr Phe Gln Val Glu Arg Gly Ser Arg Lys
 245 250 255

Trp Asn Tyr Ile Tyr Asp Lys Leu Ser Val His Val Thr Ala Leu Thr
 260 265 270

His Met Pro Thr Phe Ser Ile Pro Gly Thr Leu Glu Ser Gly His Pro
 275 280 285

Arg Asn Leu Thr Cys Ser Val Pro Trp Ala Cys Glu Gln Gly Thr Pro
 290 295 300

Pro Thr Ile Thr Trp Met Gly Ala Ser Val Ser Ser Leu Asp Pro Thr
 305 310 315 320

Ile Thr Arg Ser Ser Met Leu Ser Leu Ile Pro Gln Pro Gln Asp His
 325 330 335

Gly Thr Ser Leu Thr Cys Gln Val Thr Leu Pro Gly Ala Gly Val Thr
 340 345 350

Met Thr Arg Ala Val Arg Leu Asn Ile Ser Tyr Pro Pro Gln Asn Leu
 355 360 365

Thr Met Thr Val Phe Gln Gly Asp Gly Thr Ala Ser Thr Thr Leu Arg
 370 375 380

Asn Gly Ser Ala Leu Ser Val Leu Glu Gly Gln Ser Leu His Leu Val
 385 390 395 400

Cys Ala Val Asp Ser Asn Pro Pro Ala Arg Leu Ser Trp Thr Trp Gly
 405 410 415

Ser Leu Thr Leu Ser Pro Ser Gln Ser Ser Asn Leu Gly Val Leu Glu
 420 425 430

Leu Pro Arg Val His Val Lys Asp Glu Gly Glu Phe Thr Cys Arg Ala
 435 440 445

Gln Asn Pro Leu Gly Ser Gln His Ile Ser Leu Ser Leu Ser Leu Gln
 450 455 460

Asn Glu Tyr Thr Gly Lys Met Arg Pro Ile Ser Gly Val Thr Leu Gly
 465 470 475 480

Ala Phe Gly Gly Ala Gly Ala Thr Ala Leu Val Phe Leu Tyr Phe Cys
 485 490 495

Ile Ile Phe Val Val Arg Ser Cys Arg Lys Lys Ser Ala Arg Pro
 500 505 510

Ala Val Gly Val Gly Asp Thr Gly Met Glu Asp Ala Asn Ala Val Arg
 515 520 525

Gly Ser Ala Ser Gln Gly Pro Leu Ile Glu Ser Pro Ala Asp Asp Ser
 530 535 540

Pro	Pro	His	His	Ala	Pro	Pro	Ala	Leu	Ala	Thr	Pro	Ser	Pro	Glu	Glu
545				550					555					560	
Gly	Glu	Ile	Gln	Tyr	Ala	Ser	Leu	Ser	Phe	His	Lys	Ala	Arg	Pro	Gln
	565							570					575		
Tyr	Pro	Gln	Glu	Gln	Glu	Ala	Ile	Gly	Tyr	Glu	Tyr	Ser	Glu	Ile	Asn
	580						585					590			
Ile	Pro	Lys													
	595														

<210> 2259

<211> 274

<212> PRT

<213> Homo sapiens

<400> 2259

Met	Ser	Ser	Asn	Gly	Ile	Pro	Glu	Cys	Tyr	Ala	Glu	Glu	Asp	Glu	Phe
1					5					10				15	

Ser	Gly	Leu	Glu	Thr	Asp	Thr	Ala	Val	Pro	Thr	Glu	Glu	Ala	Tyr	Val
				20				25					30		

Ile	Tyr	Asp	Glu	Asp	Tyr	Glu	Phe	Glu	Thr	Ser	Arg	Pro	Pro	Thr	Thr
		35					40					45			

Thr	Glu	Pro	Ser	Thr	Thr	Ala	Thr	Thr	Pro	Arg	Val	Ile	Pro	Glu	Glu
		50					55				60				

Gly	Ala	Ile	Ser	Ser	Phe	Pro	Glu	Glu	Phe	Asp	Leu	Ala	Gly	Arg	
		65				70				75			80		

Lys	Arg	Phe	Val	Ala	Pro	Tyr	Val	Thr	Tyr	Leu	Asn	Lys	Asp	Pro	Ser
			85					90				95			

Ala	Pro	Cys	Ser	Leu	Thr	Asp	Ala	Leu	Asp	His	Phe	Gln	Val	Asp	Ser
				100				105				110			

Leu	Asp	Glu	Ile	Ile	Pro	Asn	Asp	Leu	Lys	Lys	Ser	Asp	Leu	Pro	Pro
			115				120				125				

Gln	His	Ala	Pro	Arg	Asn	Ile	Thr	Val	Val	Ala	Val	Glu	Gly	Cys	His
					130			135			140				

Ser	Phe	Val	Ile	Val	Asp	Trp	Asp	Lys	Ala	Thr	Pro	Gly	Asp	Val	Val
			145		150				155			160			

Thr	Gly	Tyr	Leu	Val	Tyr	Ser	Ala	Ser	Tyr	Glu	Asp	Phe	Ile	Arg	Asn
				165					170			175			

Lys	Trp	Ser	Thr	Gln	Ala	Ser	Ser	Val	Thr	His	Leu	Pro	Ile	Glu	Asn
					180			185			190				

Leu	Lys	Pro	Asn	Thr	Arg	Tyr	Tyr	Phe	Lys	Val	Gln	Ala	Gln	Asn	Pro
			195			200					205				

His	Gly	Tyr	Gly	Pro	Ile	Ser	Pro	Ser	Val	Ser	Phe	Val	Thr	Glu	Ser
									1520						

210

215

220

Asp Asn Pro Leu Leu Val Val Arg Pro Pro Gly Gly Glu Pro Ile Trp
 225 230 235 240

Ile Pro Phe Ala Phe Lys His Asp Pro Ser Tyr Thr Asp Cys His Gly
 245 250 255

Arg Gln Tyr Val Lys Arg Thr Leu Val Ser Lys Val Arg Gly Ser Trp
 260 265 270

Ser Leu

<210> 2260

<211> 468

<212> PRT

<213> Homo sapiens

<400> 2260

Met Pro Ala Leu His Thr Leu Asn Leu Asp His Asn Leu Ile Asp Ala
 1 5 10 15

Leu Pro Pro Gly Ala Phe Ala Gln Leu Gly Gln Leu Ser Arg Leu Asp
 20 25 30

Leu Thr Ser Asn Arg Leu Ala Thr Leu Ala Pro Asp Pro Leu Phe Ser
 35 40 45

Arg Gly Arg Asp Ala Glu Ala Ser Pro Ala Pro Leu Val Leu Ser Phe
 50 55 60

Ser Gly Asn Pro Leu His Cys Asn Cys Glu Leu Leu Trp Leu Arg Arg
 65 70 75 80

Leu Ala Arg Pro Asp Asp Leu Glu Thr Cys Ala Ser Pro Pro Gly Leu
 85 90 95

Ala Gly Arg Tyr Phe Trp Ala Val Pro Glu Gly Glu Phe Ser Cys Glu
 100 105 110

Pro Pro Leu Ile Ala Arg His Thr Gln Arg Leu Trp Val Leu Glu Gly
 115 120 125

Gln Arg Ala Thr Leu Arg Cys Arg Ala Leu Gly Asp Pro Ala Pro Thr
 130 135 140

Met His Trp Val Gly Pro Asp Asp Arg Leu Val Gly Asn Ser Ser Arg
 145 150 155 160

Ala Arg Ala Phe Pro Asn Gly Thr Leu Glu Ile Gly Ala Thr Gly Ala
 165 170 175

Gly Asp Ala Gly Gly Tyr Thr Cys Ile Ala Thr Asn Pro Ala Gly Glu
 180 185 190

Ala Thr Ala Arg Val Glu Leu Arg Val Leu Ala Leu Pro His Gly Gly
 195 200 205

Asn Ser Ser Ala Glu Gly Gly Arg Pro Gly Pro Ser Asp Ile Ala Ala
 210 215 220
 Ser Ala Arg Thr Ala Ala Glu Gly Glu Gly Thr Leu Glu Ser Glu Pro
 225 230 235 240
 Ala Val Gln Val Thr Glu Val Thr Ala Thr Ser Gly Leu Val Ser Trp
 245 250 255
 Gly Pro Gly Arg Pro Ala Asp Pro Val Trp Met Phe Gln Ile Gln Tyr
 260 265 270
 Asn Ser Ser Glu Asp Glu Thr Leu Ile Tyr Arg Ile Val Pro Ala Ser
 275 280 285
 Ser His His Phe Leu Leu Lys His Leu Val Pro Gly Ala Asp Tyr Asp
 290 295 300
 Leu Cys Leu Leu Ala Leu Ser Pro Ala Ala Gly Pro Ser Asp Leu Thr
 305 310 315 320
 Ala Thr Arg Leu Leu Gly Cys Ala His Phe Ser Thr Leu Pro Ala Ser
 325 330 335
 Pro Leu Cys His Ala Leu Gln Ala His Val Leu Gly Gly Thr Leu Thr
 340 345 350
 Val Ala Val Gly Gly Val Leu Val Ala Ala Leu Leu Val Phe Thr Val
 355 360 365
 Ala Leu Leu Val Arg Gly Arg Gly Ala Gly Asn Gly Arg Leu Pro Leu
 370 375 380
 Lys Leu Ser His Val Gln Ser Gln Thr Asn Gly Gly Pro Ser Pro Thr
 385 390 395 400
 Pro Lys Ala His Pro Pro Arg Ser Pro Pro Pro Arg Pro Gln Arg Ser
 405 410 415
 Cys Ser Leu Asp Leu Gly Asp Ala Gly Cys Tyr Gly Tyr Ala Arg Arg
 420 425 430
 Leu Gly Gly Ala Trp Ala Arg Arg Ser His Ser Val His Gly Gly Leu
 435 440 445
 Leu Gly Ala Gly Cys Arg Gly Val Gly Gly Ser Ala Glu Arg Leu Glu
 450 455 460
 Glu Ser Val Val
 465

<210> 2261
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 2261

Met Asn Arg Gly Asp Phe Leu Leu Ser Val Asn Gly Ala Ser Leu Ala
 1 5 10 15
 Gly Leu Ala His Gly Asn Val Leu Lys Val Leu His Gln Ala Gln Leu
 20 25 30
 His Lys Asp Ala Leu Val Val Ile Lys Lys Gly Met Asp Gln Pro Arg
 35 40 45
 Pro Ser Ala Arg Gln Glu Pro Pro Thr Ala Asn Gly Lys Gly Leu Leu
 50 55 60
 Ser Arg Lys Thr Ile Pro Leu Glu Pro Gly Ile Gly Lys Met Ile Ile
 65 70 75 80
 Ser Thr Thr Ser Arg Leu
 85

<210> 2262

<211> 105

<212> PRT

<213> Homo sapiens

<400> 2262

Met Lys Gly Ser Arg Ala Leu Leu Leu Val Ala Leu Thr Leu Phe Cys
 1 5 10 15

Ile Cys Arg Met Ala Thr Gly Glu Asp Asn Asp Glu Phe Phe Met Asp
 20 25 30

Phe Leu Gln Thr Leu Leu Val Gly Thr Pro Glu Glu Leu Tyr Glu Gly
 35 40 45

Thr Leu Gly Lys Tyr Asn Val Asn Glu Asp Ala Lys Ala Ala Met Thr
 50 55 60

Glu Leu Lys Ser Cys Ile Asp Gly Leu Gln Pro Met His Lys Ala Glu
 65 70 75 80

Leu Val Lys Leu Leu Val Gln Val Leu Gly Ser Gln Asp Gly Ala Gly
 85 90 95

Thr Asp Tyr Lys Asp Asp Asp Asp Lys
 100 105

<210> 2263

<211> 167

<212> PRT

<213> Homo sapiens

<400> 2263

Met Ala Ala Ser Val Cys Ser Gly Leu Leu Gly Pro Arg Val Leu Ser
 1 5 10 15

Trp Ser Arg Glu Leu Pro Cys Ala Trp Arg Ala Leu His Thr Ser Pro
 20 25 30

Val Cys Ala Lys Asn Arg Ala Ala Arg Val Arg Val Ser Lys Gly Asp
 35 40 45
 Lys Pro Val Thr Tyr Glu Glu Ala His Ala Pro His Tyr Ile Ala His
 50 55 60
 Arg Lys Gly Trp Leu Ser Leu His Thr Gly Asn Leu Asp Gly Glu Asp
 65 70 75 80
 His Ala Ala Glu Arg Thr Val Glu Asp Val Phe Leu Arg Lys Phe Met
 85 90 95
 Trp Gly Thr Phe Pro Gly Cys Leu Ala Asp Gln Leu Val Leu Lys Arg
 100 105 110
 Arg Gly Asn Gln Leu Glu Ile Cys Ala Val Val Leu Arg Gln Leu Ser
 115 120 125
 Pro His Lys Tyr Tyr Phe Leu Val Gly Tyr Ser Glu Thr Leu Leu Ser
 130 135 140
 Tyr Phe Tyr Lys Cys Pro Val Arg Leu His Leu Gln Thr Val Pro Ser
 145 150 155 160
 Lys Val Val Tyr Lys Tyr Leu
 165

<210> 2264
 <211> 203
 <212> PRT
 <213> Homo sapiens

<400> 2264
 Met Ala Arg Pro Arg Pro Arg Glu Tyr Lys Ala Gly Asp Leu Val Phe
 1 5 10 15
 Ala Lys Met Lys Gly Tyr Pro His Trp Pro Ala Arg Ile Asp Glu Leu
 20 25 30
 Pro Glu Gly Ala Val Lys Pro Pro Ala Asn Lys Tyr Pro Ile Phe Phe
 35 40 45
 Phe Gly Thr His Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe Pro
 50 55 60
 Tyr Lys Glu Tyr Lys Asp Lys Phe Gly Lys Ser Asn Lys Arg Lys Gly
 65 70 75 80
 Phe Asn Glu Gly Leu Trp Glu Ile Glu Asn Asn Pro Gly Val Lys Phe
 85 90 95
 Thr Gly Tyr Gln Ala Ile Gln Gln Ser Ser Ser Glu Thr Glu Gly
 100 105 110
 Glu Gly Gly Asn Thr Ala Asp Ala Ser Ser Glu Glu Gly Asp Arg
 115 120 125

Val Glu Glu Asp Gly Lys Gly Lys Arg Lys Asn Glu Lys Ala Gly Ser
 130 135 140

Lys Arg Lys Lys Ser Tyr Thr Ser Lys Lys Ser Ser Lys Gln Ser Arg
 145 150 155 160

Lys Ser Pro Gly Asp Glu Asp Asp Lys Asp Cys Lys Glu Glu Asn
 165 170 175

Lys Ser Ser Ser Glu Gly Asp Ala Gly Asn Asp Thr Arg Asn Thr
 180 185 190

Thr Ser Asp Leu Gln Lys Thr Ser Glu Gly Thr
 195 200

<210> 2265

<211> 253

<212> PRT

<213> Homo sapiens

<400> 2265

Met Arg Ser Gly Lys Met Ala Pro Lys Pro Gln Ser Arg Cys Thr Ser
 1 5 10 15

Thr Arg Ser Ala Gly Glu Ala Pro Ser Glu Asn Gln Ser Pro Ser Lys
 20 25 30

Gly Pro Glu Glu Ala Ser Ser Glu Val Gln Asp Thr Asn Glu Val His
 35 40 45

Val Pro Gly Asp Gln Asp Glu Pro Gln Thr Leu Gly Lys Lys Gly Ser
 50 55 60

Lys Asn Asn Ile Ser Val Tyr Met Thr Leu Asn Gln Lys Lys Ser Asp
 65 70 75 80

Ser Ser Ser Ala Ser Val Cys Ser Ile Asp Ser Thr Asp Asp Leu Lys
 85 90 95

Ser Ser Asn Ser Glu Cys Ser Ser Ser Glu Ser Phe Asp Phe Pro Pro
 100 105 110

Gly Ser Met His Ala Pro Ser Thr Ser Ser Thr Ser Ser Ser Lys
 115 120 125

Glu Glu Lys Lys Leu Ser Asn Ser Leu Lys Met Lys Val Phe Ser Lys
 130 135 140

Asn Val Ser Lys Cys Val Thr Pro Asp Gly Arg Thr Ile Cys Val Gly
 145 150 155 160

Asp Ile Val Trp Ala Lys Ile Tyr Gly Phe Pro Trp Trp Pro Ala Arg
 165 170 175

Ile Leu Thr Ile Thr Val Ser Arg Lys Asp Asn Gly Leu Leu Val Arg
 180 185 190

Gln Glu Ala Arg Ile Ser Trp Phe Gly Ser Pro Thr Thr Ser Phe Leu
 1525

195

200

205

Ala Leu Ser Gln Leu Ser Pro Phe Leu Glu Asn Phe Gln Ser Arg Phe		
210	215	220
Asn Lys Lys Arg Lys Gly Leu Tyr Arg Lys Ala Ile Thr Glu Ala Ala		
225	230	235
Lys Ala Ala Lys Gln Leu Thr Pro Glu Val Arg Ala Cys		
245	250	

<210> 2266

<211> 314

<212> PRT

<213> Homo sapiens

<400> 2266

Met Pro His Ala Phe Lys Pro Gly Asp Leu Val Phe Ala Lys Met Lys		
1	5	10
		15

Gly Tyr Pro His Trp Pro Ala Arg Ile Asp Asp Ile Ala Asp Gly Ala		
20	25	30

Val Lys Pro Pro Pro Asn Lys Tyr Pro Ile Phe Phe Phe Thr His		
35	40	45

Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe Pro Tyr Asp Lys Cys		
50	55	60

Lys Asp Lys Tyr Gly Lys Pro Asn Lys Arg Lys Gly Phe Asn Glu Gly		
65	70	75
		80

Leu Trp Glu Ile Gln Asn Asn Pro His Ala Ser Tyr Ser Ala Pro Pro		
85	90	95

Pro Val Ser Ser Asp Ser Glu Ala Pro Glu Ala Asn Pro Ala Asp		
100	105	110

Gly Ser Asp Ala Asp Glu Asp Asp Glu Asp Arg Gly Val Met Ala Val		
115	120	125

Thr Ala Val Thr Ala Thr Ala Ala Ser Asp Arg Met Glu Ser Asp Ser		
130	135	140

Asp Ser Asp Lys Ser Ser Asp Asn Ser Gly Leu Lys Arg Lys Thr Pro		
145	150	155
		160

Ala Leu Lys Met Ser Val Ser Lys Arg Ala Arg Lys Ala Ser Ser Asp		
165	170	175

Leu Asp Gln Ala Ser Val Ser Pro Ser Glu Glu Glu Asn Ser Glu Ser		
180	185	190

Ser Ser Glu Ser Glu Lys Thr Ser Asp Gln Asp Phe Thr Pro Glu Lys		
195	200	205

Lys Ala Ala Val Arg Ala Pro Arg Arg Gly Pro Leu Gly Gly Arg Lys		
210	215	220

Lys Lys Lys Ala Pro Ser Ala Ser Asp Ser Asp Ser Lys Ala Asp Ser
 225 230 235 240
 Asp Gly Ala Lys Pro Glu Pro Val Ala Met Ala Arg Ser Ala Ser Ser
 245 250 255
 Ser Ser Ser Ser Ser Ser Asp Ser Asp Val Ser Val Lys Lys
 260 265 270
 Pro Pro Arg Gly Arg Lys Pro Thr Glu Lys Pro Leu Pro Lys Pro Arg
 275 280 285
 Gly Arg Lys Pro Lys Pro Glu Arg Pro Pro Ser Ser Ser Ser Asp
 290 295 300
 Ser Asp Ser Asp Glu Val Asp Arg Ile Thr
 305 310

<210> 2267
 <211> 281
 <212> PRT
 <213> Homo sapiens

<400> 2267
 Met Gly Ser Arg Gly Gln Gly Leu Leu Leu Ala Tyr Cys Leu Leu Leu
 1 5 10 15
 Ala Phe Ala Ser Gly Leu Val Leu Ser Arg Val Pro His Val Gln Gly
 20 25 30
 Glu Gln Gln Glu Trp Glu Gly Thr Glu Glu Leu Pro Ser Pro Pro Asp
 35 40 45
 His Ala Glu Arg Ala Glu Glu Gln His Glu Lys Tyr Arg Pro Ser Gln
 50 55 60
 Asp Gln Gly Leu Pro Ala Ser Arg Cys Leu Arg Cys Cys Asp Pro Gly
 65 70 75 80
 Thr Ser Met Tyr Pro Ala Thr Ala Val Pro Gln Ile Asn Ile Thr Ile
 85 90 95
 Leu Lys Gly Glu Lys Gly Asp Arg Gly Asp Arg Gly Leu Gln Gly Lys
 100 105 110
 Tyr Gly Lys Thr Gly Ser Ala Gly Ala Arg Gly His Thr Gly Pro Lys
 115 120 125
 Gly Gln Lys Gly Ser Met Gly Ala Pro Gly Glu Arg Cys Lys Ser His
 130 135 140
 Tyr Ala Ala Phe Ser Val Gly Arg Lys Lys Pro Met His Ser Asn His
 145 150 155 160
 Tyr Tyr Gln Thr Val Ile Phe Asp Thr Glu Phe Val Asn Leu Tyr Asp
 165 170 175

His Phe Asn Met Phe Thr Gly Lys Phe Tyr Cys Tyr Val Pro Gly Leu
180 185 190

Tyr Phe Phe Ser Leu Asn Val His Thr Trp Asn Gln Lys Glu Thr Tyr
195 200 205

Leu His Ile Met Lys Asn Glu Glu Val Ala Ile Leu Phe Ala Gln
210 215 220

Val Gly Asp Arg Ser Ile Met Gln Ser Gln Ser Leu Met Leu Glu Leu
225 230 235 240

Arg Glu Gln Asp Gln Val Trp Val Arg Leu Tyr Lys Gly Glu Arg Glu
245 250 255

Asn Ala Ile Phe Ser Glu Glu Leu Asp Thr Tyr Ile Thr Phe Ser Gly
260 265 270

Tyr Leu Val Lys His Ala Thr Glu Pro
275 280

**INDICATIONS RELATING TO A DEPOSITED MICROORGANISM
OR OTHER BIOLOGICAL MATERIAL**

(PCT Rule 13bis)

A. The indications made below relate to the deposited microorganism or other biological material referred to in the description on page 243, line 24.

B. IDENTIFICATION OF DEPOSIT

Further deposits are identified on an additional sheet

Name of depositary institution: American Type Culture Collection

Address of depositary institution (*including postal code and country*)
10801 University Boulevard
Manassas, Virginia 20110-2209
United States of America

Date of deposit	Accession Number
11 April 2001	PTA-3276

C. ADDITIONAL INDICATIONS (*leave blank if not applicable*) This information is continued on an additional sheet

D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (*if the indications are not for all designated States*)

Europe

In respect of those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which the application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28(4) EPC)

Continued on additional sheets

E. SEPARATE FURNISHING OF INDICATIONS (*leave blank if not applicable*)

The indications listed below will be submitted to the International Bureau later (*specify the general nature of the indications e.g., "Accession Number of Deposit"*)

	For receiving Office use only			For International Bureau use only
<input type="checkbox"/> This sheet was received with the international application		<input checked="" type="checkbox"/> This sheet was received by the International Bureau on 15 MAY 2001 (15.05.01)		
Authorized officer		Authorized officer P. Becamal 		

ATCC Deposit No.: PTA-3276

CANADA

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

NORWAY

The applicant hereby requests that the application has been laid open to public inspection (by the Norwegian Patent Office), or has been finally decided upon by the Norwegian Patent Office without having been laid open inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Norwegian Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Norwegian Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on the list of recognized experts drawn up by the Norwegian Patent Office or any person approved by the applicant in the individual case.

AUSTRALIA

The applicant hereby gives notice that the furnishing of a sample of a microorganism shall only be effected prior to the grant of a patent, or prior to the lapsing, refusal or withdrawal of the application, to a person who is a skilled addressee without an interest in the invention (Regulation 3.25(3) of the Australian Patents Regulations).

FINLAND

The applicant hereby requests that, until the application has been laid open to public inspection (by the National Board of Patents and Regulations), or has been finally decided upon by the National Board of Patents and Registration without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art.

UNITED KINGDOM

The applicant hereby requests that the furnishing of a sample of a microorganism shall only be made available to an expert. The request to this effect must be filed by the applicant with the International Bureau before the completion of the technical preparations for the international publication of the application.

ATCC Deposit No.: PTA-3276

DENMARK

The applicant hereby requests that, until the application has been laid open to public inspection (by the Danish Patent Office), or has been finally decided upon by the Danish Patent Office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Danish Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Danish Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Danish Patent Office or any person by the applicant in the individual case.

SWEDEN

The applicant hereby requests that, until the application has been laid open to public inspection (by the Swedish Patent Office), or has been finally decided upon by the Swedish Patent Office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the International Bureau before the expiration of 16 months from the priority date (preferably on the Form PCT/RO/134 reproduced in annex Z of Volume I of the PCT Applicant's Guide). If such a request has been filed by the applicant any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Swedish Patent Office or any person approved by a applicant in the individual case.

NETHERLANDS

The applicant hereby requests that until the date of a grant of a Netherlands patent or until the date on which the application is refused or withdrawn or lapsed, the microorganism shall be made available as provided in the 31F(1) of the Patent Rules only by the issue of a sample to an expert. The request to this effect must be furnished by the applicant with the Netherlands Industrial Property Office before the date on which the application is made available to the public under Section 22C or Section 25 of the Patents Act of the Kingdom of the Netherlands, whichever of the two dates occurs earlier.

**INDICATIONS RELATING TO A DEPOSITED MICROORGANISM
OR OTHER BIOLOGICAL MATERIAL**

(PCT Rule 13bis)

- A.** The indications made below relate to the deposited microorganism or other biological material referred to in the description on page 243, line 24.

B. IDENTIFICATION OF DEPOSIT

Further deposits are identified on an additional sheet

Name of depositary institution: American Type Culture Collection

Address of depositary institution (*including postal code and country*)
10801 University Boulevard
Manassas, Virginia 20110-2209
United States of America

Date of deposit	Accession Number
11 April 2001	PTA-3277

C. ADDITIONAL INDICATIONS (leave blank if not applicable)

This information is continued on an additional sheet

D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States)

Europe

In respect of those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which the application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28(4) EPC)

Continued on additional sheets

E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable)

The indications listed below will be submitted to the International Bureau later (specify the general nature of the indications e.g. "Accession Number of Deposit")

	For receiving Office use only			For International Bureau use only	
<input type="checkbox"/> This sheet was received with the international application	<input checked="" type="checkbox"/> This sheet was received by the International Bureau on 15 MAY 2001 (15.05.01)				
Authorized officer	Authorized officer				

ATCC Deposit N .: PTA-3277

CANADA

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

NORWAY

The applicant hereby requests that the application has been laid open to public inspection (by the Norwegian Patent Office), or has been finally decided upon by the Norwegian Patent Office without having been laid open inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Norwegian Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Norwegian Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on the list of recognized experts drawn up by the Norwegian Patent Office or any person approved by the applicant in the individual case.

AUSTRALIA

The applicant hereby gives notice that the furnishing of a sample of a microorganism shall only be effected prior to the grant of a patent, or prior to the lapsing, refusal or withdrawal of the application, to a person who is a skilled addressee without an interest in the invention (Regulation 3.25(3) of the Australian Patents Regulations).

FINLAND

The applicant hereby requests that, until the application has been laid open to public inspection (by the National Board of Patents and Regulations), or has been finally decided upon by the National Board of Patents and Registration without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art.

UNITED KINGDOM

The applicant hereby requests that the furnishing of a sample of a microorganism shall only be made available to an expert. The request to this effect must be filed by the applicant with the International Bureau before the completion of the technical preparations for the international publication of the application.

ATCC Deposit N .: PTA-3277**DENMARK**

The applicant hereby requests that, until the application has been laid open to public inspection (by the Danish Patent Office), or has been finally decided upon by the Danish Patent office without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Danish Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Danish Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on a list of recognized experts drawn up by the Danish Patent Office or any person by the applicant in the individual case.

SWEDEN

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NETHERLANDS

The applicant hereby requests that until the date of a grant of a Netherlands patent or until the date on which the application is refused or withdrawn or lapsed, the microorganism shall be made available as provided in the 31F(1) of the Patent Rules only by the issue of a sample to an expert. The request to this effect must be furnished by the applicant with the Netherlands Industrial Property Office before the date on which the application is made available to the public under Section 22C or Section 25 of the Patents Act of the Kingdom of the Netherlands, whichever of the two dates occurs earlier.

**INDICATIONS RELATING TO A DEPOSITED MICROORGANISM
OR OTHER BIOLOGICAL MATERIAL**

(PCT Rule 13bis)

A. The indications made below relate to the deposited microorganism or other biological material referred to in the description on page 243, line 24.

B. IDENTIFICATION OF DEPOSIT

Further deposits are identified on an additional sheet

Name of depositary institution: American Type Culture Collection

Address of depositary institution (*including postal code and country*)
10801 University Boulevard
Manassas, Virginia 20110-2209
United States of America

Date of deposit	Accession Number
11 April 2001	PTA-3278

C. ADDITIONAL INDICATIONS (leave blank if not applicable) This information is continued on an additional sheet

D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (*if the indications are not for all designated States*)

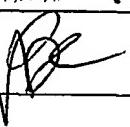
Europe

In respect of those designations in which a European Patent is sought a sample of the deposited microorganism will be made available until the publication of the mention of the grant of the European patent or until the date on which the application has been refused or withdrawn or is deemed to be withdrawn, only by the issue of such a sample to an expert nominated by the person requesting the sample (Rule 28(4) EPC).

Continued on additional sheets

E. SEPARATE FURNISHING OF INDICATIONS (leave blank if not applicable)

The indications listed below will be submitted to the International Bureau later (*specify the general nature of the indications e.g. "Accession Number of Deposit"*)

	For receiving Office use only			For International Bureau use only
<input type="checkbox"/> This sheet was received with the international application		<input checked="" type="checkbox"/> This sheet was received by the International Bureau on 15 MAY 2001 (15.05.01)		
Authorized officer		Authorized officer 		

ATCC Deposit N .: PTA-3278

CANADA

The applicant requests that, until either a Canadian patent has been issued on the basis of an application or the application has been refused, or is abandoned and no longer subject to reinstatement, or is withdrawn, the Commissioner of Patents only authorizes the furnishing of a sample of the deposited biological material referred to in the application to an independent expert nominated by the Commissioner, the applicant must, by a written statement, inform the International Bureau accordingly before completion of technical preparations for publication of the international application.

NORWAY

The applicant hereby requests that the application has been laid open to public inspection (by the Norwegian Patent Office), or has been finally decided upon by the Norwegian Patent Office without having been laid open inspection, the furnishing of a sample shall only be effected to an expert in the art. The request to this effect shall be filed by the applicant with the Norwegian Patent Office not later than at the time when the application is made available to the public under Sections 22 and 33(3) of the Norwegian Patents Act. If such a request has been filed by the applicant, any request made by a third party for the furnishing of a sample shall indicate the expert to be used. That expert may be any person entered on the list of recognized experts drawn up by the Norwegian Patent Office or any person approved by the applicant in the individual case.

AUSTRALIA

The applicant hereby gives notice that the furnishing of a sample of a microorganism shall only be effected prior to the grant of a patent, or prior to the lapsing, refusal or withdrawal of the application, to a person who is a skilled addressee without an interest in the invention (Regulation 3.25(3) of the Australian Patents Regulations).

FINLAND

The applicant hereby requests that, until the application has been laid open to public inspection (by the National Board of Patents and Regulations), or has been finally decided upon by the National Board of Patents and Registration without having been laid open to public inspection, the furnishing of a sample shall only be effected to an expert in the art.

UNITED KINGDOM

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ATCC Deposit No.: PTA-3278

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Date of deposit 11 April 2001	Accession Number PTA-3279
--------------------------------------	----------------------------------

C. ADDITIONAL INDICATIONS (leave blank if not applicable) This information is continued on an additional sheet

D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (*if the indications are not for all designated States*)

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	For receiving Office use only			For International Bureau use only	
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Authorized officer		Authorized officer 			

ATCC Deposit No.: PTA-3279

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/11988

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/04
 US CL : 536/23.4, 23.5

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 536/23.4, 23.5

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST, DIALOG**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97/34997 A1 (HUMAN GENOME SCIENCES, INC.) 25 September 1997, see the whole document.	1-9, 15-19
Y	WO 97/24445 A1 (DELTA BIOTECHNOLOGY LIMITED) 10 July 1997, see the whole document.	1-9, 15-19
Y	EP 0 322 094 A1 (DELTA BIOTECHNOLOGY LIMITED) 28 June 1989, see Figure 1.	1-9, 15-19

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

Date of mailing of the international search report

05 SEP 2001

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks
 Box PCT
 Washington, D.C. 20231

Facsimile No. (703)305-3230

Authorized officer

Teresa Strzelecka

Telephone No. (703) 308-0196

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/11988

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claim Nos.: 10-14, 20-32, 34-36
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
Please See Continuation Sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-9, 15-19, protein X HETFO52

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/11988

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING:

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

1. Groups 1-6918, claims 1-9 and 15-19 (all in part), drawn to an albumin fusion protein comprising a Therapeutic protein:X and albumin.

If Group 1 is elected, this correlates to protein identified by X=HETFO52 with a preferred indication Y: neural/sensory, reproductive.

If Group 2 is elected, this correlates to protein identified by X=HETEZ10 with a preferred indication Y: cancer.

5. Groups 6919-13836, claim 33 (in part), drawn to a method of extending the shelf life of a Therapeutic protein:X.

If Group 6919 is elected, this correlates to protein identified by X=HETFO52 with a preferred indication Y: neural/sensory, reproductive.

If Group 6920 is elected, this correlates to protein identified by X=HETEZ10 with a preferred indication Y: cancer.

The inventions listed as Groups 1-13836 do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The special technical feature is an albumin fusion protein. Balance et al. (WO 90/13653) teach albumin fusion proteins comprising human fibronectin, CD4, platelet derived growth factor, transforming growth factor beta, human von Willebrand factor or alpha-1-antitrypsin.